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**MIXED WASTE MANAGEMENT (MWMF) GROUNDWATER
MONITORING REPORT (U) - FIRST QUARTER 1992**

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FIRST QUARTER 1992

MIXED WASTE MANAGEMENT FACILITY (MWMF) GROUNDWATER MONITORING REPORT (U)

KEY WORDS

BGO wells
BGX wells
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HMD wells
tritium

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Abstract

During first quarter 1992, tritium, trichloroethylene, tetrachloroethylene, lead, antimony, 1,1-dichloroethylene, 1,2-dichloroethane, gross alpha, mercury, nickel, nitrate, nonvolatile beta, and total alpha-emitting radium (radium-224 and radium-226) exceeded the U.S. Environmental Protection Agency Primary Drinking Water Standards (PDWS) in groundwater samples from monitoring wells at the Mixed Waste Management Facility (MWMF) and adjacent facilities. Tritium and trichloroethylene were the most widespread constituents; 57 (49%) of the 116 monitored wells contained elevated tritium activities, and 21 (18%) wells exhibited elevated trichloroethylene concentrations. Elevated constituents were found primarily in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean). Elevated levels of several constituents also occurred in two Aquifer Unit IIA (Congaree) wells.

Sixty-one downgradient wells screened in Aquifer Zone IIB₂ (Water Table), Aquifer Zone IIB₁ (Barnwell/McBean), and Aquifer Unit IIA (Congaree) contained constituents that exceeded the PDWS during first quarter 1992. Upgradient wells BGO 1D and HSB 85A, 85BC, and 85C did not contain any constituents that exceeded the PDWS. Upgradient well BGO 2D contained elevated tritium.

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Contents

	Page
Abstract	iii
List of Figures	vii
List of Tables	viii
Executive Summary	1
Introduction	3
Description of Facilities	3
Hydrostratigraphic Units	4
Monitoring Well Nomenclature	4
Discussion	6
Integrity of the Monitoring Well Network	6
Groundwater Monitoring Data	7
Analytical Results Exceeding Standards	8
Tritium and Trichloroethylene Time-Trend Data	8
Water Levels	9
Groundwater Flow Rates and Directions	10
Upgradient Versus Downgradient Results	11
Conclusions	12
Errata	13
References Cited	14
Appendix A – Primary Drinking Water Standards	A-1
Appendix B – Flagging Criteria	B-1
Appendix C – Figures	C-1
Appendix D – Groundwater Monitoring Results Tables	D-1
Appendix E – Time Series Plots	E-1
Appendix F – Hydrographs	F-1

List of Figures

	Page
1. Site-Specific Hydrostratigraphic Nomenclature	C-2
2. Regional Correlation of Hydrostratigraphic and Lithostratigraphic Nomenclature . .	C-3
3. Location of the Mixed Waste Management Facility at the Savannah River Site	C-4
4. Location of the Groundwater Monitoring Wells at the Mixed Waste Management Facility, the Old Burial Ground, the Burial Ground Expansion, and the Hazardous Waste/Mixed Waste Disposal Facility (the Burial Ground Complex) .	C-5
5. Location of Aquifer Zone IIB ₂ (Water Table) Wells at the Burial Ground Complex .	C-6
6. Location of Aquifer Zone IIB ₁ (Barnwell/McBean) Wells at the Burial Ground Complex	C-7
7. Location of Aquifer Unit IIA (Congaree) Wells at the Burial Ground Complex	C-8
8. Tritium Activities in Aquifer Zone IIB ₂ (Water Table) at the Burial Ground Complex, First Quarter 1992	C-9
9. Trichloroethylene Concentrations in Aquifer Zone IIB ₂ (Water Table) at the Burial Ground Complex, First Quarter 1992	C-10
10. Benzene Concentrations in Aquifer Zone IIB ₂ (Water Table) at the Burial Ground Complex, First Quarter 1992	C-11
11. Tritium Activities in Aquifer Zone IIB ₁ (Barnwell/McBean) at the Burial Ground Complex, First Quarter 1992	C-12
12. Trichloroethylene Concentrations in Aquifer Zone IIB ₁ (Barnwell/McBean) at the Burial Ground Complex, First Quarter 1992	C-13
13. Benzene Concentrations in Aquifer Zone IIB ₁ (Barnwell/McBean) at the Burial Ground Complex, First Quarter 1992	C-14
14. Tritium Activities in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, First Quarter 1992	C-15
15. Trichloroethylene Concentrations in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, First Quarter 1992	C-16

16. Benzene Concentrations in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, First Quarter 1992	C-17
17. pH Levels in Aquifer Zone IIB ₂ (Water Table) at the Burial Ground Complex, First Quarter 1992	C-18
18. Specific Conductance in Aquifer Zone IIB ₂ (Water Table) at the Burial Ground Complex, First Quarter 1992	C-19
19. pH Levels in Aquifer Zone IIB ₁ (Barnwell/McBean) at the Burial Ground Complex, First Quarter 1992	C-20
20. Specific Conductance in Aquifer Zone IIB ₁ (Barnwell/McBean) at the Burial Ground Complex, First Quarter 1992	C-21
21. pH Levels in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, First Quarter 1992	C-22
22. Specific Conductance in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, First Quarter 1992	C-23
23. Piezometric Surface Map of Aquifer Zone IIB ₂ (Water Table) at the Burial Ground Complex	C-24
24. Potentiometric Surface Map of Aquifer Zone IIB ₁ (Barnwell/McBean) at the Burial Ground Complex	C-25
25. Potentiometric Surface Map of Aquifer Unit IIA (Congaree) at the Burial Ground Complex	C-26

List of Tables

	Page
1. Constituents Exceeding the Primary Drinking Water Standards	D-3
2. Constituents Exceeding Half the Primary Drinking Water Standards or Other Flag 1 or Flag 2 Criteria	D-7
3. Groundwater Monitoring Results for Individual Wells	D-14

Executive Summary

The Mixed Waste Management Facility (MWMF), located within the General Separations Area at the Savannah River Site (SRS), received various radioactive and chemical wastes from 1972 to 1986. These wastes have been defined as hazardous, and the MWMF is subject to the requirements of the Resource Conservation and Recovery Act (RCRA) (WSRC, 1990c; Heffner and Exploration Resources, 1991). Under certification by the South Carolina Department of Health and Environmental Control, the MWMF was closed in 1986, a clay cap was completed in December of 1990, and a RCRA Part B Post-Closure Care Permit application is currently being prepared by SRS personnel for submittal in November 1992.

On May 26, 1988, the MWMF was named in Section III of the Natural Resources Defense Council et al. Consent Decree. Under this ruling, a report describing the results of quarterly monitoring at the MWMF is required to meet the South Carolina Hazardous Waste Management Regulations. The following report provides the monitoring results that exceeded the U.S. Environmental Protection Agency Primary Drinking Water Standards (PDWS) and other SRS flagging criteria for first quarter 1992. Samples are from wells at the Burial Ground Complex, which includes the MWMF and the adjacent Old Burial Ground (BGO well series), Hazardous Waste/Mixed Waste Disposal Facility (HWMW; HMD well series), Burial Ground Expansion (BGX well series), and well cluster HSB 85. These samples were analyzed for certain heavy metals, indicator parameters, radionuclides, and other constituents.

During first quarter 1992, tritium, trichloroethylene, tetrachloroethylene, lead, antimony, 1,1-dichloroethylene, 1,2-dichloroethane, gross alpha, mercury, nickel, nitrate, nonvolatile beta, or total alpha-emitting radium (radium-224 and radium-226) exceeded the PDWS in one or more wells at the MWMF. Elevated constituents were found primarily in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean). As in previous quarters, tritium and trichloroethylene were the most widespread constituents. Fifty-seven (49%) of the 116 monitored wells contained elevated tritium activities, with maximum activity ($9.2\text{E}+04$ pCi/mL) occurring in Aquifer Zone IIB₂ (Water Table) well BGO 28D. Trichloroethylene exceeded the PDWS in 21 (18%) wells, with the maximum concentration found at $174\text{ }\mu\text{g/L}$ in Aquifer Zone IIB₂ (Water Table) well BGO 7D. Elevated levels antimony, gross alpha, nonvolatile beta, total alpha-emitting radium, or tritium also occurred in wells BGO 14AR and BGX 1A in Aquifer Unit IIA (Congaree).

The groundwater in Aquifer Zone IIB₂ (Water Table) beneath the MWMF diverges to discharge points either in Upper Three Runs Creek or in Four Mile Creek. The groundwater flow direction toward Upper Three Runs Creek in Aquifer Zone IIB₂ (Water Table) is to the north-northeast, the flow direction in Aquifer Zone IIB₁ (Barnwell/McBean) is to the north, and the flow direction in Aquifer Unit IIA (Congaree) is consistently northwest toward Upper Three Runs Creek. Groundwater flow rate estimates are 3.7 ft/yr in Aquifer Zone IIB₂ (Water Table), 73 ft/yr in Aquifer Zone IIB₁ (Barnwell/McBean), and 330 ft/yr in Aquifer Unit IIA (Congaree).

Upgradient wells BGO 1D and HSB 85A, 85B, and 85C did not contain any constituents that exceeded the PDWS. Upgradient well BGO 2D, however, contained elevated tritium.

Downgradient wells in the three hydrostratigraphic units contained elevated levels of tritium, trichloroethylene, tetrachloroethylene, lead, antimony, 1,1-dichloroethylene, 1,2-dichloroethane, gross alpha, mercury, nickel, nitrate, nonvolatile beta, or total alpha-emitting radium.

Introduction

Description of Facilities

The Burial Ground Complex, which includes the Mixed Waste Management Facility (MWMF), the Old Burial Ground, the Burial Ground Expansion, and the Hazardous Waste/Mixed Waste Disposal Facility (HWMW) (Figure 3, Appendix C), is located within the General Separations Area at the Savannah River Site (SRS). The Old Burial Ground received various wastes (e.g., transuranic waste, intermediate- and low-level beta-gamma wastes, and solvents) from 1952 until it was closed in 1974. In 1972, the MWMF began receiving similar waste; the waste subsequently was defined as hazardous and the MWMF became subject to the requirements of the Resource Conservation and Recovery Act (RCRA) (WSRC, 1990; Heffner and Exploration Resources, 1991). The MWMF was closed in 1986 under a plan approved by the South Carolina Department of Health and Environmental Control (SCDHEC). As a part of the closure activities, dynamic compaction was performed on the area to ensure that the containers housing the waste would not collapse after an overlying clay cap was constructed. The clay cap was completed in December of 1990 and has been certified by SCDHEC. A RCRA Part B Post-Closure Care Permit application is currently being prepared by SRS personnel for submittal in November 1992. The Old Burial Ground is included in the RCRA Facility Investigation/Remedial Investigation program at SRS.

In 1987, 37 groundwater monitoring assessment wells of the BGO series were installed around the perimeter of the MWMF and Old Burial Ground to monitor the groundwater beneath the facilities. Twelve additional BGO wells were installed around the perimeter in 1988, and 10 BGO wells were installed in 1989. SCDHEC considers the wells rimming the Old Burial Ground as point-of-compliance wells for the MWMF. A Groundwater Quality Assessment Plan was written in early 1991 proposing to install 35 additional wells of the BGO series at the MWMF, 22 wells of the BGX series at the Burial Ground Expansion Site, and 4 wells of the HMD series at the HWMW. These additional wells will help define the migration patterns and extent of the constituent plumes from the MWMF and Old Burial Ground and provide background water-quality data for the Burial Ground Expansion and HWMW. During drilling for the new wells, it was found that the Aquifer Zone IIB₂ (Water Table) diverges beneath the Confining Zone IIB₁-IIB₂ (Tan Clay). SCDHEC and SRS have reached an agreement to eliminate four of the proposed BGX wells in the Aquifer Zone IIB₂ (Water Table).

Thirty-two new BGO wells (BGO 29C, 29D, 40D, 41A, 42C, 43A, 43AA, 43D, 45A, 45B, 45C, 45D, 46B, 46C, 46D, 47A, 47C, 47D, 48C, 48D, 49A, 49C, 49D, 50A, 50C, and 50D), 17 new BGX wells (BGX 1A, 1C, 1D, 2B, 2D, 3D, 4A, 4C, 4D, 5D, 6D, 7D, 8D, 9D, 10D, 12C, and 12D), and 4 HMD wells (HMD 1D, 2D, 3D, and 4D) were installed and sampled for the first time in 1991. Eight replacement wells were installed and monitored in 1991 (BGO 8AR, 10AR, 12AR, 12CR, 13DR, 14AR, 14CR, and 14DR). Wells 43C, 44A, 44A, 44AA, 44B, 44C, and 44D were installed in 1991, but were not sampled until first quarter 1992. Wells BGO 6B, 9AA, 10AA, 10B, 16B, and 17DR and well BGX 11D are in place, but they were not sampled during first quarter 1992 either because they did not have pumps or did not develop properly.

This report describes the monitoring results for the MWMF during first quarter 1992 to meet the requirements of South Carolina Hazardous Waste Management Regulations (Ref. R. 61-79.265.94, Subpart F) (SCDHEC, 1990). Because of their proximity to the MWMF, monitoring results from the BGO wells at the perimeter of the Old Burial Ground, the BGX well series, the HMD well series, and well cluster HSB 85 are also included.

Hydrostratigraphic Units

Historically, groundwater quality assessment reports for the MWMF have used the nomenclature "Water Table," "Barnwell," "McBean," and "Congaree" to identify hydrologic units. However, an interim alphanumeric system developed by Aadland (1990) (Figure 1, Appendix C) defines the aquifer and aquitard units at SRS by their hydraulic properties (hydraulic conductivity, transmissivity, specific storage, etc.) using hydrostratigraphic rather than lithostratigraphic designations. Figure 2 (Appendix C) shows a correlation of these designations. For clarity, this report uses the newer nomenclature and also includes the older names used in earlier reports. The F- or H-Area Seepage Basins RCRA Part B Post-Closure Care Permit applications include an in-depth explanation of this nomenclature (WSRC, 1990a; WSRC, 1990b).

The F- or H-Area Seepage Basins RCRA Part B Post-Closure Care Permit applications also include a detailed description of the geologic and hydrogeologic systems at the MWMF. In summary, the MWMF well network monitors three distinct hydrostratigraphic units in the uppermost aquifer beneath the facility: Aquifer Zone IIB₂ (Water Table), which is supported 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 base of the uppermost aquifer is defined as the uppermost confining bed of Confining System I-II (Ellenton Formation), which lies approximately 300 ft below the surface of the Burial Ground Complex.

Monitoring Well Nomenclature

Groundwater monitoring wells are designated with a waste management unit abbreviation prefix (e.g., BGO), a number (1 through 999), and a suffix (A, AA, B, C, D) designating the hydrostratigraphic unit being monitored. Generally, if the groundwater monitoring well prefix and number are followed by a "D" suffix, the well monitors Aquifer Zone IIB₂ (Water Table); if they are followed by a "B" or "C" suffix, the well monitors Aquifer Zone IIB₁ (Barnwell/McBean); if they are followed by an "A" or "AA" suffix, the well monitors Aquifer Unit IIA (Congaree). An "R" designation following the "A," "B," "C," or "D" suffix indicates a replacement well.

The well cluster HSB is one exception to this nomenclature: HSB 85B monitors Aquifer Zone IIB₁ (Barnwell/McBean) and HSB 85C monitors Aquifer Zone IIB₂ (Water Table). This well cluster was installed to monitor background levels at the H-Area Seepage Basins; however, because it is near the MWMF and Old Burial Ground, it is considered part of the monitoring network for the MWMF and Old Burial Ground.

The hydrogeologic characterization of the HWMW (HMD well series) and the Burial Ground Expansion (BGX well series) disclosed that under the northern portion of this area the top of the saturated zone lies beneath Confining Zone IIB₁-IIB₂ (Tan Clay) in Aquifer Zone IIB₁ (Barnwell/McBean). The wells that monitor this area, designated with a D suffix, are wells BGO 13DR and 43D; wells BGX 2D, 3D, 4D, 5D, 6D, 7D, and 8D; and wells HMD 1D, 2D, 3D, and 4D.

Discussion

Integrity of the Monitoring Well Network

The MWMF groundwater monitoring well network (Figure 4, Appendix C) provides groundwater samples from three hydrologic units that make up the uppermost aquifer below the facility. A program is in place to rehabilitate and replace wells that do not produce representative samples from the units being monitored.

As problem wells are identified, they are added to the well rehabilitation program. To date, the following replacement wells have been installed: BGO 8AR, 10AR, 10DR, 12AR, 12CR, 13DR, 14AR, 14CR, and 14DR. Wells BGO 16A and 22D need to be replaced.

Wells BGO 29C, 29D, 46B, 46C, 46D, 50A, 50C, and 50D were installed during fourth quarter 1991. Wells BGO 6B, 9AA, 10AA, 10B, 16B, and 17DR and well BGX 11D are being installed, but they were not scheduled for sampling during first quarter 1992.

The standard practice at SRS is to purge a minimum of four well volumes from each well and ensure that the field parameters have stabilized before sample collection. A well that goes dry before purging is completed is allowed to recover and is sampled without purging within 24 hours. Table 3 (Appendix D) lists the amount of water purged from each of the wells. The wells described below did not yield four well volumes prior to sampling.

There are 51 Aquifer Zone IIB₂ (Water Table) groundwater monitoring wells (BGO 1D, 2D, 3D, 4D, 5D, 6D, 7D, 8D, 9D, 10D, 10DR, 11D, 12D, 14DR, 15D, 16D, 17D, 18D, 19D, 20D, 21D, 22D, 23D, 24D, 26D, 27D, 28D, 29D, 30D, 31D, 32D, 33D, 34D, 35D, 36D, 37D, 38D, 39D, 40D, 44D, 45D, 46D, 47D, 48D, 49D, and 50D; BGX 1D, 9D, 10D, and 12D; and HSB 85C) (Figure 5, Appendix C). Wells BGO 1D, 3D, 5D, 6D, 12D, 16D, 20D, 21D, 24D, 26D, 27D, 28D, 29D, 30D, 31D, 32D, 33D, 34D, 35D, 36D, 37D, 38D, 39D, and 49D and wells BGX 1D, 10D, and 12D went dry during purging. Wells BGO 4D, 17D, and 19D could not be sampled because of pump failure or inaccessibility. Wells BGO 10D and 40D went dry after field analysis and did not yield enough water for complete laboratory analysis. Well BGO 10DR was not included in the sampling schedule.

There are 43 Aquifer Zone IIB₁ (Barnwell/McBean) wells (BGO 5C, 6C, 8C, 10C, 12CR, 13DR, 14CR, 27C, 29C, 30C, 31C, 33C, 35C, 37C, 42C, 43C, 43D, 44B, 44C, 45B, 45C, 46B, 46C, 47C, 48C, 49C, and 50C; BGX 1C, 2B, 2D, 3D, 4C, 4D, 5D, 6D, 7D, 8D, and 12C; HMD 1D, 2D, 3D, and 4D; and HSB 85B) (Figure 6, Appendix C). Wells BGO 5C, 10C, 12CR, 13DR, 14CR, 29C, 30C, 31C, 42C, 45B, 45C, 46C, and 50C; wells BGX 1C, 2B, and 2D; wells HMD 1D and 4D; and well HSB 85B went dry during purging. Well BGO 37C was not sampled because it is part of the Purge Water Containment Program.

There are 22 Aquifer Unit IIA (Congaree) groundwater monitoring wells (BGO 6A, 8AR, 10AR, 12AR, 14AR, 16A, 18A, 25A, 26A, 29A, 41A, 43A, 43AA, 44A, 44AA, 45A, 47A, 49A, and 50A; BGX 1A and 4A; and HSB 85A) (Figure 7, Appendix C). Wells BGO 16A, 25A, 29A,

41A, 43A, and 50A and well BGX 1A pumped dry during purging. Well BGO 26A was not sampled because it is part of the Purge Water Containment Program.

Samples from wells BGO 10AR, 12AR, 12CR, 14AR, 14CR, 16A, 16D, 24D, 29A, 41A, 43A, 43AA, 43C, 44A, 44AA, 44B, 44C, 45B, 49A, and 50A; wells BGX 1A, 1C, and 2B; and well HSB 85B yielded field pH values equal to or greater than 8. Wells BGO 18D, 38D, 39D, and 48D had field pH values equal to or less than 4.

Groundwater Monitoring Data

During first quarter 1992, samples from wells at the MWMF, the adjacent Old Burial Ground, HWMW, and Burial Ground Expansion, and well cluster HSB 85 were analyzed for certain indicator parameters, heavy metals, radionuclides, and other constituents. Monitoring results that exceeded the U.S. Environmental Protection Agency (EPA) Primary Drinking Water Standards (PDWS) (Appendix A) and analytes without PDWS that exceeded other SRS flagging criteria (Appendix B) are discussed in this report.

The Environmental Monitoring Section of the Environmental Protection Department at SRS recently revised the flagging criteria for identifying constituents in high concentrations in groundwater. In general, the criteria are as follows:

- Flag 2 criteria are based on the PDWS; if the constituents do not have a PDWS, Flag 2 criteria are based on the Secondary Drinking Water Standards (SDWS) or 10 times the method detection limits (MDL) as described in Appendix B. Constituent levels that equal or exceed Flag 2 criteria are described as *elevated*.
- Flag 1 criteria are based on half the PDWS; if the constituents do not have a PDWS, Flag 1 criteria are based on half the SDWS or 5 times the MDL as described in Appendix B. Flag 1 levels for a constituent may reflect analytical error; however, this level may indicate the initial detection of a constituent. Thus, constituents exceeding Flag 1 criteria are included in this report and are described as *slightly elevated*.
- Flag 0 criteria are based on constituent levels below Flag 1.

Illustrations of the hydrostratigraphic units at SRS (Figures 1 and 2), the monitored waste management unit (Figure 3), the individual monitoring wells (Figure 4), the monitoring wells in the different hydrostratigraphic units (Figures 5 through 7), the lateral distribution of tritium, trichloroethylene, benzene, pH, and specific conductance (Figures 8 through 22); and the water-elevation contour maps of the different hydrostratigraphic units (Figures 23 through 25) are in Appendix C; the monitoring results tables are in Appendix D; time series plots for trichloroethylene, tritium, and pH are in Appendix E; and hydrographs are in Appendix F.

Analytical Results Exceeding Standards

Results for analytes that exceeded the PDWS during first quarter 1992 are summarized in Table 1 (Appendix D).

Thirty-six of the 53 Aquifer Zone IIB₂ (Water Table) wells contained tritium, trichloroethylene, tetrachloroethylene, lead, 1,1-dichloroethylene, 1,2-dichloroethane, mercury, nickel, nitrate, or total alpha-emitting radium (radium-224 and radium-226) levels that exceeded the PDWS. Thirty-five of these wells contained elevated tritium, with activities up to 9.2E+04 pCi/mL in well BGO 28D. Thirteen wells contained elevated trichloroethylene, with concentrations up to 174 µg/L in well BGO 7D. Four wells contained elevated tetrachloroethylene, with concentrations up to 20 µg/L in well BGO 48D. Three wells contained elevated lead, with concentrations up to 20 µg/L in well 30D. 1,1-Dichloroethylene, 1,2-dichloroethane, mercury, nickel, nitrate, or total alpha-emitting radium were elevated in one well each.

Twenty-three of the 42 Aquifer Zone IIB₁ (Barnwell/McBean) wells contained tritium or trichloroethylene levels that exceeded the PDWS. Twenty-one of these wells contained elevated tritium, with activities up to 7.6E+03 pCi/mL in well BGO 33C; 8 wells contained elevated trichloroethylene, with concentrations up to 63 µg/L in well BGO 42C; and well HMD 2D contained elevated concentrations of lead at 42 µg/L.

Well BGO 14AR in Aquifer Unit IIA (Congaree) wells contained elevated antimony and well BGX 1A contained elevated levels of gross alpha, nonvolatile beta, total alpha-emitting radium, and tritium.

Results for analytes that exceeded other SRS flagging criteria during first quarter 1992 are summarized in Table 2 (Appendix D). The results for all constituents are presented in Table 3 (Appendix D). Table 3 also identifies any constituent whose analysis exceeded the EPA-approved holding time.

The lateral distributions of tritium, trichloroethylene, benzene, pH, and specific conductance in Aquifer Zone IIB₂ (Water Table), Aquifer Zone IIB₁ (Barnwell/McBean), and Aquifer Unit IIA (Congaree) wells during first quarter 1992 are presented in Figures 8 through 22.

Tritium and Trichloroethylene Time-Trend Data

Time series plots from second quarter 1989 to first quarter 1992 for wells and well clusters containing tritium and trichloroethylene are presented in Appendix E.

Upgradient wells BGO 1D and 2D and well cluster HSB 85 exhibit detectable tritium activities. Tritium levels in well BGO 2D have exceeded the PDWS occasionally in the past and was elevated during first quarter 1992. Tritium was not elevated in well BGO 1D and well cluster HSB 85. Tritium levels in well cluster HSB 85 have not exceeded the PDWS during the past three years.

Tritium activities in Aquifer Zone IIB₂ (Water Table) wells BGO 18D and 24D and in well cluster BGO 8 have been consistently at or below the PDWS since second quarter 1989. Many of the other wells contain tritium levels that have consistently exceeded the PDWS

from second quarter 1989 through first quarter 1992. The time series plots for these wells indicate that tritium levels in Aquifer Zone IIB₂ (Water Table) wells BGO 6D, 9D, 32D, and 35D are declining with time. The plots indicate that tritium levels in Aquifer Zone IIB₂ (Water Table) wells BGO 7D, 11D, 15D, 23D, and 33C are increasing with time. Aquifer Zone IIB₂ (Water Table) well BGO 28D, located at the west edge of the Old Burial Ground, has exhibited the highest tritium concentrations in recent years, exceeding 1E+5 pCi/mL from first quarter 1990 through second quarter 1991; levels since second quarter 1991 have decreased somewhat. The maximum tritium activity for first quarter 1992 (9.2E+04 pCi/mL) occurred in Aquifer Zone IIB₂ (Water Table) well BGO 28D. Tritium activities in wells BGO 12D, 26D, 29A, 34D, 36D, 38D, and 39D appear to be anomalously high during fourth quarter 1991 as compared to preceding quarters and first quarter 1992 activities. Data are insufficient to determine long-term or recent trends in tritium levels for wells BGO 4D, 17D, 19D, 40D, and 42C; wells BGX 3D, 5D, 6D, 7D, 8D, 9D, 10D, and 12D; wells HMD 1D, 2D, 3D, and 4D; well clusters BGO 5, 10, 13, 16, 37, 43, 44, 45, 46, 47, 48, 49, and 50; and well clusters BGX 1, 2, and 4. The remaining wells show no detectable long-term patterns.

Trichloroethylene concentrations in Aquifer Zone IIB₂ (Water Table) well BGO 11D and in Aquifer Zone IIB₁ (Barnwell/McBean) wells BGO 30C and 31C have been consistently near or below the PDWS since second quarter 1989. Many of the other wells with time series plots in Appendix E have exhibited concentrations of trichloroethylene that consistently exceeded the PDWS. The time series plots for these wells indicate that trichloroethylene concentrations in Aquifer Zone IIB₂ (Water Table) wells BGO 8D, 30D, and 32D are declining with time, and concentrations in Aquifer Zone IIB₂ (Water Table) well BGO 15D are increasing. The maximum trichloroethylene concentration for first quarter 1992 (174 µg/L) occurred in Aquifer Zone IIB₂ (Water Table) well BGO 7D. Data are insufficient to determine long-term or recent trends for wells BGO 16D, 18D, 26A, 37C, 40D, and 42C; well BGX 8D; well clusters BGO 6, 13, 14, 46, 47, 48, and 50; and well clusters BGX 2 and 4. The time series plots for the remaining wells show no detectable long-term patterns.

Water Levels

Hydrographs showing water elevations over time for certain wells and well clusters at the Burial Ground Complex are provided in Appendix F. Compared with the previous quarter, water levels in Aquifer Zone IIB₂ (Water Table) fell an average of 0.6 ft, water levels in Aquifer Zone IIB₁ (Barnwell/McBean) fell an average of 1 ft, and water levels in Aquifer Unit IIA (Congaree) fell an average of less than 0.1 ft. Wells BGO 8A, 10A, and 12A, which repeatedly exhibited anomalous water-level measurements for Aquifer Unit IIA (Congaree) due to poor well construction, were replaced by wells BGO 8AR, 10AR, and 12AR during third quarter 1991. Water-level measurements for the replacement wells are consistent with those of other wells screened in the same hydrostratigraphic unit.

A consistent vertical head relationship exists between 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 exists at all BGO well clusters and has persisted since 1988.

Groundwater Flow Rates and Directions

The groundwater in Aquifer Zone IIB₂ (Water Table) beneath the MWMF diverges to discharge points either in Upper Three Runs Creek or in Four Mile Creek. Groundwater flow direction toward Upper Three Runs Creek in this hydrostratigraphic unit is to the north-northeast (according to SRS grid coordinates). Near Upper Three Runs Creek, the upper part of the saturated zone lies beneath Confining Zone IIB₁-IIB₂ (Tan Clay) in Aquifer Zone IIB₁ (Barnwell/McBean). The groundwater flow direction below the MWMF in Aquifer Zone IIB₁ (Barnwell/McBean) is to the north, while the flow direction in Aquifer Unit IIA (Congaree) is consistently northwest toward Upper Three Runs Creek. These horizontal flow directions generally have been constant for each of these hydrostratigraphic units. Piezometric surfaces and groundwater flow directions for Aquifer Zone IIB₂ (Water Table), Aquifer Zone IIB₁ (Barnwell/McBean), and Aquifer Unit IIA (Congaree) are illustrated in Figures 23, 24, and 25 (Appendix C), respectively.

To estimate the maximum transport rate of constituents originating from the MWMF, the maximum horizontal flow rate of groundwater has been estimated for each hydrostratigraphic unit. Flow rate calculations are approximations based on inferred or estimated parameters; thus, the resulting rates should be considered order-of-magnitude estimations. The groundwater flow rates in Aquifer Zone IIB₂ (Water Table), Aquifer Zone IIB₁ (Barnwell/McBean), and Aquifer Unit IIA (Congaree) beneath the MWMF are estimated using the following one-dimensional flow 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 0.3 ft/day, 5.3 ft/day, and 65 ft/day (Geraghty & Miller, 1990) were used for Aquifer Zone IIB₂ (Water Table), Aquifer Zone IIB₁ (Barnwell/McBean), and Aquifer Unit IIA (Congaree), respectively. An effective porosity value of 20% was used for each hydrostratigraphic unit (Jaegge et al., 1987); this value is an assumption based on field and laboratory measurements of porosity. The value dh is the difference in head, and dl is the length of the flow path. Flow rate estimates vary depending on the vertical gradient between wells, the size of the area under consideration, and the number of data points.

The flow rate estimate for groundwater in Aquifer Zone IIB₂ (Water Table) beneath the MWMF is as follows (using the right flow line in Figure 23, Appendix C):

$$\frac{0.3}{0.2} \times \frac{8}{1200} = 0.01 \text{ ft/day}$$

$$0.01 \text{ ft/day} \times 365 = 3.7 \text{ ft/yr}$$

The flow rate estimate for groundwater in Aquifer Zone IIB₁ (Barnwell/McBean) beneath the MWMF is as follows (using the right flow line in Figure 24, Appendix C):

$$\frac{5.3}{0.2} \times \frac{20}{2400} = 0.2 \text{ ft/day}$$

$$0.2 \text{ ft/day} \times 365 = 73 \text{ ft/yr}$$

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

$$\frac{65}{0.2} \times \frac{10}{3800} = 0.9 \text{ ft/day}$$

$$0.9 \text{ ft/day} \times 365 = 330 \text{ ft/yr}$$

Upgradient Versus Downgradient Results

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

Upgradient wells BGO 1D and HSB 85A, 85B, and 85C did not contain any constituents that exceeded the PDWS during first quarter 1992. Upgradient well BGO 2D contained elevated tritium activities. Downgradient wells in the three hydrostratigraphic units contained elevated levels of tritium, trichloroethylene, tetrachloroethylene, lead, antimony, 1,1-dichloroethylene, 1,2-dichloroethane, gross alpha, mercury, nickel, nitrate, nonvolatile beta, or total alpha-emitting radium.

Conclusions

The groundwater at the MWMF contains elevated levels of radionuclides, volatile organic compounds, heavy metals, and other constituents resulting from 40 years of operations at the Burial Ground Complex. During first quarter 1992, tritium, trichloroethylene, tetrachloroethylene, lead, antimony, 1,1-dichloroethylene, 1,2-dichloroethane, gross alpha, mercury, nickel, nitrate, nonvolatile beta, or total alpha-emitting radium exceeded the PDWS in one or more wells at the MWMF.

Elevated levels of these constituents were found primarily in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean), suggesting that the horizontal component of groundwater flow is dominant beneath this waste management unit. As in previous quarters, tritium and trichloroethylene were the most widespread. Fifty-seven (49%) of the 116 monitored wells contained elevated tritium activities, with maximum activity ($9.2\text{E}+04$ pCi/mL) occurring in Aquifer Zone IIB₂ (Water Table) well BGO 28D. Trichloroethylene exceeded the PDWS in 21 (18%) wells, with the maximum activity found at $174\text{ }\mu\text{g/L}$ in Aquifer Zone IIB₂ (Water Table) well BGO 7D. However, elevated levels of constituents also occurred in wells BGO 14AR and BGX 1A 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). As proposed in the 1991 Groundwater Quality Assessment Plan, additional monitoring wells have been installed around the MWMF and the Old Burial Ground to determine the extent of these constituents and to characterize the hydrology of the three hydrostratigraphic units beneath the facility.

Upgradient wells BGO 1D and HSB 85A, 85B, and 85C did not contain any constituents that exceeded the PDWS. Upgradient well BGO 2D, however, contained elevated tritium. Downgradient wells in the three hydrostratigraphic units contained elevated levels of tritium, trichloroethylene, tetrachloroethylene, lead, antimony, 1,1-dichloroethylene, 1,2-dichloroethane, gross alpha, mercury, nickel, nitrate, nonvolatile beta, or total alpha-emitting radium. 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.

Errata

Mixed Waste Management Facility Groundwater Monitoring Report, Fourth Quarter 1991 and 1991 Summary

- Page 6, Integrity of the Monitoring Well Network, paragraph 4, line 6: Table 3 (Appendix D) does not list the amount of water purged from each of the wells.
- Page 9, Upgradient Versus Downgradient Results, paragraph 2: The statement "Tritium has consistently exceeded the PDWS in wells BGO 1D and 2D" is incorrect. Tritium has not exceeded the PDWS in well BGO 1D since first quarter 1989. Tritium has exceeded the PDWS four quarters in well BGO 2D since first quarter 1989.
- Page 11, Upgradient Versus Downgradient Results, paragraphs 2 and 3: Well BGO 2D is incorrectly identified as an upgradient well.
- Appendix D: 2,4-Dichlorophenoxyacetic acid for well BGO 35D should have been flagged as exceeding its holding time.

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Appendix A – Primary Drinking Water Standards

Primary Drinking Water Standards

Analyte	Unit	Level	Status	Reference
Americium-241	pCi/L	6.34E+00	Proposed	EPA, 1991
Americium-243	pCi/L	6.37E+00	Proposed	EPA, 1991
Antimony	µg/L	5 ^a	Proposed	EPA, 1990
Antimony-125	pCi/L	3E+02	Final	EPA, 1977
Arsenic	µg/L	50	Final	CFR, 1991
Barium	µg/L	2,000	Final	CFR, 1991
Barium-140	pCi/L	9E+01	Final	EPA, 1977
Benzene	µg/L	5	Final	CFR, 1991
Benzo[a]anthracene	µg/L	0.1	Proposed	EPA, 1990
Benzo[b]fluoranthene	µg/L	0.2	Proposed	EPA, 1990
Benzo[k]fluoranthene	µg/L	0.2	Proposed	EPA, 1990
Benzo[a]pyrene	µg/L	0.2	Proposed	EPA, 1990
Beryllium	µg/L	1	Proposed	EPA, 1990
Beryllium-7	pCi/L	6E+03	Final	EPA, 1977
Bromodichloromethane	µg/L	100	Final	CFR, 1991
Bromoform	µg/L	100	Final	CFR, 1991
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	µg/L	7	Proposed	EPA, 1990
Cadmium	µg/L	5	Final	CFR, 1991
Carbon-14	pCi/L	2E+03	Final	EPA, 1977
Carbon tetrachloride	µg/L	5	Final	CFR, 1991
Cerium-141	pCi/L	3E+02	Final	EPA, 1977
Cerium-144	pCi/L	2.61E+02	Proposed	EPA, 1991
Cesium-134	pCi/L	8.13E+02 ^b	Proposed	EPA, 1991
Cesium-137	pCi/L	2E+02	Final	EPA, 1977
Chlordane	µg/L	2	Final	CFR, 1991
Chloroethene (Vinyl chloride)	µg/L	2	Final	CFR, 1991
Chloroform	µg/L	100	Final	CFR, 1991
Chromium	µg/L	100	Final	CFR, 1991
Chromium-51	pCi/L	6E+03	Final	EPA, 1977
Chrysene	µg/L	0.2	Proposed	EPA, 1990
Cobalt-57	pCi/L	1E+03	Final	EPA, 1977
Cobalt-58	pCi/L	9E+03	Final	EPA, 1977
Cobalt-60	pCi/L	1E+02	Final	EPA, 1977
Copper	µg/L	1,300	Final	CFR, 1991
Curium-242	pCi/L	1.33E+02	Proposed	EPA, 1991
Curium-243	pCi/L	8.3E+00	Proposed	EPA, 1991
Curium-244	pCi/L	9.84E+00	Proposed	EPA, 1991
Curium-246	pCi/L	6.27E+00	Proposed	EPA, 1991
Cyanide	µg/L	200	Proposed	EPA, 1990
Dibenz[a,h]anthracene	µg/L	0.3	Proposed	EPA, 1990
Dibromochloromethane	µg/L	100	Final	CFR, 1991
Dibromochloropropane	µg/L	0.2	Final	CFR, 1991
1,2-Dichlorobenzene	µg/L	600	Final	CFR, 1991
1,4-Dichlorobenzene	µg/L	75	Final	CFR, 1991
1,2-Dichloroethane	µg/L	5	Final	CFR, 1991
1,1-Dichloroethylene	µg/L	7	Final	CFR, 1991
cis-1,2-Dichloroethylene	µg/L	70	Final	CFR, 1991
trans-1,2-Dichloroethylene	µg/L	100	Final	CFR, 1991
Dichloromethane (Methylene chloride)	µg/L	5	Proposed	EPA, 1990
2,4-Dichlorophenoxyacetic acid	µg/L	70	Final	CFR, 1991
1,2-Dichloropropane	µg/L	5	Final	CFR, 1991
Endrin	µg/L	0.2	Final	CFR, 1991
Ethylbenzene	µg/L	700	Final	CFR, 1991
Europium-154	pCi/L	2E+02	Final	EPA, 1977

<u>Analyte</u>	<u>Unit</u>	<u>Level</u>	<u>Status</u>	<u>Reference</u>
Europium-155	pCi/L	6E + 02	Final	EPA, 1977
Fluoride	µg/L	4,000	Final	CFR, 1991
Gross alpha ^c	pCi/L	1.5E + 01	Final	CFR, 1991
Heptachlor	µg/L	0.4	Final	CFR, 1991
Heptachlor epoxide	µg/L	0.2	Final	CFR, 1991
Hexachlorobenzene	µg/L	1	Proposed	EPA, 1990
Hexachlorocyclopentadiene	µg/L	50	Proposed	EPA, 1990
Iodine-129	pCi/L	1E + 00	Final	EPA, 1977
Iodine-131	pCi/L	3E + 00	Final	EPA, 1977
Iron-55	pCi/L	2E + 03	Final	EPA, 1977
Iron-59	pCi/L	2E + 02	Final	EPA, 1977
Lanthanum-140	pCi/L	6E + 01	Final	EPA, 1977
Lead	µg/L	15	Final	CFR, 1991
Lindane	µg/L	0.2	Final	CFR, 1991
Manganese-54	pCi/L	3E + 02	Final	EPA, 1977
Mercury	µg/L	2	Final	CFR, 1991
Methoxychlor	µg/L	40	Final	CFR, 1991
Neptunium-237	pCi/L	7.06E + 00	Proposed	EPA, 1991
Nickel	µg/L	100	Proposed	EPA, 1990
Nickel-59	pCi/L	3E + 02	Final	EPA, 1977
Nickel-63	pCi/L	5E + 01	Final	EPA, 1977
Niobium-95	pCi/L	3E + 02	Final	EPA, 1977
Nitrate as nitrogen	µg/L	10,000	Final	CFR, 1991
Nitrite as nitrogen	µg/L	1,000	Final	CFR, 1991
Nonvolatile beta	pCi/L	5E + 01	Proposed	EPA, 1986
PCBs ^d	µg/L	0.5	Final	CFR, 1991
Pentachlorophenol	µg/L	1	Final	CFR, 1991
Plutonium-238	pCi/L	7.02E + 00	Proposed	EPA, 1991
Plutonium-239	pCi/L	6.21E + 01	Proposed	EPA, 1991
Plutonium-239/240 ^e	pCi/L	6.21E + 01	Proposed	EPA, 1991
Plutonium-240	pCi/L	6.22E + 01	Proposed	EPA, 1991
Plutonium-241	pCi/L	6.26E + 01	Proposed	EPA, 1991
Plutonium-242	pCi/L	6.54E + 01	Proposed	EPA, 1991
Potassium-40	pCi/L	3E + 02	Proposed	EPA, 1986
Radium-226	pCi/L	1.57E + 01	Proposed	EPA, 1991
Radium-228	pCi/L	7.85E + 00	Proposed	EPA, 1991
Radon-222	pCi/L	3E + 02	Proposed	EPA, 1991
Ruthenium-103	pCi/L	2E + 02	Final	EPA, 1977
Ruthenium-106	pCi/L	3E + 01	Final	EPA, 1977
Selenium	µg/L	50	Final	CFR, 1991
Silver	µg/L	50	Final	CFR, 1991
Sodium-22	pCi/L	4.66E + 02	Proposed	EPA, 1991
Strontium-89	pCi/L	2E + 01 ^f	Final	EPA, 1977
Strontium-89/90 ^g	pCi/L	8E + 00	Final	CFR, 1991
Strontium-90	pCi/L	8E + 00	Final	CFR, 1991
Styrene	µg/L	100	Final	CFR, 1991
Sulfate	µg/L	400,000 ^a	Proposed	EPA, 1990
Technetium-99	pCi/L	9E + 02	Final	EPA, 1977
Tetrachloroethylene	µg/L	5	Final	CFR, 1991
Thallium	µg/L	1	Proposed	EPA, 1990
Thorium-228	pCi/L	1.25E + 02	Proposed	EPA, 1991
Thorium-230	pCi/L	7.92E + 01	Proposed	EPA, 1991
Thorium-232	pCi/L	8.8E + 01	Proposed	EPA, 1991
Thorium-234	pCi/L	4.01E + 02	Proposed	EPA, 1991
Tin-113	pCi/L	3E + 02	Final	EPA, 1977
Toluene	µg/L	1,000	Final	CFR, 1991

<u>Analyte</u>	<u>Unit</u>	<u>Level</u>	<u>Status</u>	<u>Reference</u>
Total radium	pCi/L	5E+00	Final	CFR, 1991
Toxaphene	µg/L	3	Final	CFR, 1991
2,4,5-TP (Silvex)	µg/L	50	Final	CFR, 1991
1,2,4-Trichlorobenzene	µg/L	9	Proposed	EPA, 1990
1,1,1-Trichloroethane	µg/L	200	Final	CFR, 1991
1,1,2-Trichloroethane	µg/L	5	Proposed	EPA, 1990
Trichloroethylene	µg/L	5	Final	CFR, 1991
Total trihalomethanes	µg/L	100	Final	CFR, 1991
Tritium	pCi/mL	2E+01	Final	CFR, 1991
Uranium	µg/L	20	Proposed	EPA, 1991
Uranium alpha activity	pCi/L	3E+01	Proposed	EPA, 1991
Uranium-233/234 ^a	pCi/L	1.38E+01	Proposed	EPA, 1991
Uranium-234	pCi/L	1.39E+01	Proposed	EPA, 1991
Uranium-235	pCi/L	1.45E+01	Proposed	EPA, 1991
Uranium-238	pCi/L	1.46E+01	Proposed	EPA, 1991
Xylenes	µg/L	10,000	Final	CFR, 1991
Zinc-65	pCi/L	3E+02	Final	EPA, 1977
Zirconium-95	pCi/L	2E+02	Final	EPA, 1977
Zirconium/Niobium-95 ^e	pCi/L	2E+02	Final	EPA, 1977

Note:

Drinking water standards set by EPA (1977) correspond to the level at which each radionuclide contributes 4 mrem/yr of dose to an individual consuming 2 L of contaminated liquid a day. See EPA (1977) for details.

- ^a This value is the lower of two proposed levels.
- ^b EPD/EMS uses the proposed standard because it is a lower value; the final PDWS in 1977 may have been in error.
- ^c The standard given is for gross alpha including radium-226 but excluding radon and uranium.
- ^d Analyses were conducted in 1992 for the following: PCB 1016, PCB 1221, PCB 1232, PCB 1242, PCB 1248, PCB 1254, and PCB 1260.
- ^e For double radionuclide analyses where each separate radionuclide has its own standard, the more stringent standard is used.
- ^f This value is the lower of two levels given for strontium-89.

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Appendix B – Flagging Criteria

Flagging Criteria

Beginning in 1991, the Environmental Monitoring Section of the Environmental Protection Department (EPD/EMS) modified its guidelines for flagging constituents in the Groundwater Monitoring Program. These flagging criteria are as follows:

- Flag 2 criteria for constituents equal the U.S. Environmental Protection Agency (EPA) Primary Drinking Water Standard, the EPA proposed Primary Drinking Water Standard, or the EPA Secondary Drinking Water Standard. 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 EPA Primary Drinking Water Standard, one-half the EPA proposed Primary Drinking Water Standard, or one-half the EPA Secondary Drinking Water Standard. If a constituent does not have an EPA 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.
- Analytical results for constituents below Flag 1 are classified as Flag 0.

The following parameters are not assigned flagging criteria: alkalinity, calcium, carbonate, color, corrosivity, magnesium, odor, potassium, Eh, silica, sodium, total dissolved solids, total phosphorus, total phosphates (as P), and turbidity. In addition, common laboratory contaminants and cleaners including phthalates, methylene chloride, ketones, and toluene are not assigned flagging criteria.

Analyte	Unit	Flag 1	Flag 2	Source
Acenaphthene	µg/L	50	100	EPA Method 8270
Acenaphthylene	µg/L	50	100	EPA Method 8270
Acetone	µg/L	50	100	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
Aldrin	µg/L	2.5	5	EPA Method 8080
Alkalinity (as CaCO ₃)		No flag	No flag	Set by EPD/EMS
Allyl chloride	µg/L	250	500	EPA Method 8240
Aluminum	µg/L	100	200	EPA Method 6010
Americium-241	pCi/L	3.17E+00	6.34E+00	Proposed DWS (EPA, 1991)
Americium-243	pCi/L	3.19E+00	6.37E+00	Proposed DWS (EPA, 1991)
4-Aminobiphenyl	µg/L	50	100	EPA Method 8270
Ammonia	µg/L	500	1,000	APHA Method 417B
Ammonia nitrogen	µg/L	50	100	EPA Method 350.1
Aniline	µg/L	50	100	EPA Method 8270
Anthracene	µg/L	50	100	EPA Method 8270
Antimony	µg/L	2.5	5	Proposed DWS (EPA, 1990)
Antimony-125	pCi/L	1.5E+02	3E+02	Final DWS (EPA, 1977)
Aramite	µg/L	50	100	EPA Method 8270

<u>Analyte</u>	<u>Unit</u>	<u>Flag 1</u>	<u>Flag 2</u>	<u>Source</u>
Arsenic	µg/L	25	50	Final DWS (CFR, 1991)
Azobenzene	µg/L	50	100	EPA Method 625
Barium	µg/L	1,000	2,000	Final DWS (CFR, 1991)
Barium-140	pCi/L	4.5E+01	9E+01	Final DWS (EPA, 1977)
Benzene	µg/L	2.5	5	Final DWS (CFR, 1991)
alpha-Benzene hexachloride	µg/L	2.5	5	EPA Method 8080
beta-Benzene hexachloride	µg/L	2.5	5	EPA Method 8080
delta-Benzene hexachloride	µg/L	2.5	5	EPA Method 8080
Benzidine	µg/L	250	500	EPA Method 8270
Benzo[a]anthracene	µg/L	0.05	0.1	Proposed DWS (EPA, 1990)
Benzo[b]fluoranthene	µg/L	0.1	0.2	Proposed DWS (EPA, 1990)
Benzo[k]fluoranthene	µg/L	0.1	0.2	Proposed DWS (EPA, 1990)
Benzo[g,h,i]perylene	µg/L	50	100	EPA Method 8270
Benzo[a]pyrene	µg/L	0.1	0.2	Proposed DWS (EPA, 1990)
Benzoic acid	µg/L	250	500	EPA Method 8270
1,4-Benzoquinone	µg/L	50	100	EPA Method 8270
Benzyl alcohol	µg/L	100	200	EPA Method 8270
Beryllium	µg/L	0.5	1	Proposed DWS (EPA, 1990)
Beryllium-7	pCi/L	3E+03	6E+03	Final DWS (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		No flag	No flag	Set by EPD/EMS
Bromide	µg/L	5,000	10,000	EPA Method 300.0
Bromodichloromethane	µg/L	50	100	Final DWS (CFR, 1991)
Bromoform	µg/L	50	100	Final DWS (CFR, 1991)
Bromomethane (Methyl bromide)	µg/L	5	10	EPA Method 8240
4-Bromophenyl phenyl ethe	µg/L	50	100	EPA Method 8270
2-sec-Butyl-4,6-dinitrophenol	µg/L	3.5	7	Proposed DWS (EPA, 1990)
Butylbenzyl phthalate		No flag	No flag	Set by EPD/EMS
Cadmium	µg/L	2.5	5	Final DWS (CFR, 1991)
Calcium		No flag	No flag	Set by EPD/EMS
Carbon disulfide	µg/L	5	10	EPA Method 8240
Carbon tetrachloride	µg/L	2.5	5	Final DWS (CFR, 1991)
Carbon 12-labeled 2,3,7,8-TCDD	µg/L	0.00225	0.0045	EPA Method 8280
Carbon 12-labeled 2,3,7,8-TCDF	µg/L	0.002	0.004	EPA Method 8280
Carbon-14	pCi/L	1E+03	2E+03	Final DWS (EPA, 1977)
Carbonate		No flag	No flag	Set by EPD/EMS
Cerium-141	pCi/L	1.5E+02	3E+02	Final DWS (EPA, 1977)
Cerium-144	pCi/L	1.31E+02	2.61E+02	Proposed DWS (EPA, 1991)
Cesium-134	pCi/L	4.07E+01	8.13E+01	Proposed DWS (EPA, 1991)
Cesium-137	pCi/L	1E+02	2E+02	Final DWS (EPA, 1977)
Chlordane	µg/L	1	2	Final DWS (CFR, 1991)
Chloride	µg/L	125,000	250,000	Secondary DWS (EPA, 1991a)
4-Chloroaniline	µg/L	50	100	EPA Method 8270
Chlorobenzene	µg/L	5	10	EPA Method 8240
Chlorobenzilate	µg/L	50	100	EPA Method 8270
Chloroethane	µg/L	5	10	EPA Method 8240
Chloroethene (Vinyl chloride)	µg/L	1	2	Final DWS (CFR, 1991)
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 DWS (CFR, 1991)
para-Chloro-meta-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

<u>Analyte</u>	<u>Unit</u>	<u>Flag 1</u>	<u>Flag 2</u>	<u>Source</u>
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 DWS (CFR, 1991)
Chromium-51	pCi/L	3E + 03	6E + 03	Final DWS (EPA, 1977)
Chrysene	µg/L	0.1	0.2	Proposed DWS (EPA, 1990)
Cobalt	µg/L	20	40	EPA Method 6010
Cobalt-57	pCi/L	5E + 02	1E + 03	Final DWS (EPA, 1977)
Cobalt-58	pCi/L	4.5E + 03	9E + 03	Final DWS (EPA, 1977)
Cobalt-60	pCi/L	5E + 01	1E + 02	Final DWS (EPA, 1977)
Color		No flag	No flag	Set by EPD/EMS
Copper	µg/L	650	1,300	Final DWS (CFR, 1991)
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 DWS (EPA, 1991)
Curium-243	pCi/L	4.15E + 00	8.3E + 00	Proposed DWS (EPA, 1991)
Curium-244	pCi/L	4.92E + 00	9.84E + 00	Proposed DWS (EPA, 1991)
Curium-246	pCi/L	3.14E + 00	6.27E + 00	Proposed DWS (EPA, 1991)
Cyanide	µg/L	100	200	Proposed DWS (EPA, 1990)
p,p'-DDD	µg/L	2.5	5	EPA Method 8080
p,p'-DDE	µg/L	2.5	5	EPA Method 8080
p,p'-DDT	µg/L	2.5	5	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 DWS (EPA, 1990)
Dibenzofuran	µg/L	50	100	EPA Method 8270
Dibromochloromethane	µg/L	50	100	Final DWS (CFR, 1991)
Dibromochloropropane	µg/L	0.1	0.2	Final DWS (CFR, 1991)
1,2-Dibromoethane	µg/L	100	200	EPA Method 8240
Dibromomethane (Methylene bromide)	µg/L	5	10	EPA Method 8240
1,2-Dichlorobenzene	µg/L	300	600	Final DWS (CFR, 1991)
1,3-Dichlorobenzene	µg/L	50	100	EPA Method 8270
1,4-Dichlorobenzene	µg/L	37.5	75	Final DWS (CFR, 1991)
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 DWS (CFR, 1991)
cis-1,2-Dichloroethene	µg/L	35	70	Final DWS (CFR, 1991)
1,1-Dichloroethylene	µg/L	3.5	7	Final DWS (CFR, 1991)
1,2-Dichloroethylene	µg/L	25	50	EPA Method 8240
trans-1,2-Dichloroethylene	µg/L	50	100	Final DWS (CFR, 1991)
Dichloromethane (Methylene chloride)		No flag	No flag	Set by EPD/EMS
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 DWS (CFR, 1991)
1,2-Dichloropropane	µg/L	2.5	5	Final DWS (CFR, 1991)
cis-1,3-Dichloropropene	µg/L	5	10	EPA Method 8240
trans-1,3-Dichloropropene	µg/L	5	10	EPA Method 8240
Dieldrin	µg/L	2.5	5	EPA Method 8080
Diethyl phthalate		No flag	No flag	Set by EPD/EMS

Analyte	Unit	Flag 1	Flag 2	Source
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
4,6-Dinitro-ortho-cresol	µg/L	250	500	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
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
alpha-Endosulfan	µg/L	50	100	EPA Method 8270
beta-Endosulfan	µg/L	50	100	EPA Method 8270
Endosulfan I	µg/L	2.5	5	EPA Method 8080
Endosulfan II	µg/L	2.5	5	EPA Method 8080
Endosulfan sulfate	µg/L	2.5	5	EPA Method 8080
Endrin	µg/L	0.1	0.2	Final DWS (CFR, 1991)
Endrin aldehyde	µg/L	2.5	5	EPA Method 8080
Endrin ketone		No flag	No flag	Set by EPD/EMS
Ethyl methacrylate	µg/L	50	100	EPA Method 8270
Ethyl methanesulfonate	µg/L	50	100	EPA Method 8270
Ethylbenzene	µg/L	350	700	Final DWS (CFR, 1991)
Europium-154	pCi/L	1E+02	2E+02	Final DWS (EPA, 1977)
Europium-155	pCi/L	3E+02	6E+02	Final DWS (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 DWS (CFR, 1991)
Gross alpha	pCi/L	7.5E+00	1.5E+01	Final DWS (CFR, 1991)
Heptachlor	µg/L	0.2	0.4	Final DWS (CFR, 1991)
Heptachlor epoxide	µg/L	0.1	0.2	Final DWS (CFR, 1991)
Heptachlorodibenzo-p-dioxin isomers	µg/L	0.00325	0.0065	EPA Method 8280
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	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-Heptachlorodibenzo-p-furan	µg/L	0.00225	0.0045	EPA Method 8280
Hexachlorobenzene	µg/L	0.5	1	Proposed DWS (EPA, 1990)
Hexachlorobutadiene	µg/L	50	100	EPA Method 8270
Hexachlorocyclopentadiene	µg/L	25	50	Proposed DWS (EPA, 1990)
Hexachlorodibenzo-p-dioxin isomers	µg/L	0.00225	0.0045	EPA Method 8280
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	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-Hexachlorodibenzo-p-furan	µg/L	0.002	0.004	EPA Method 8280

<u>Analyte</u>	<u>Unit</u>	<u>Flag 1</u>	<u>Flag 2</u>	<u>Source</u>
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	100	200	EPA Method 8240
Indeno[1,2,3-c,d]pyrene	µg/L	50	100	EPA Method 8270
Iodine	µg/L	500	1,000	EPA Method 415
Iodine-129	pCi/L	5E-01	1E+00	Final DWS (EPA, 1977)
Iodine-131	pCi/L	1.5E+00	3E+00	Final DWS (EPA, 1977)
Iodomethane (Methyl iodide)	µg/L	75	150	EPA Method 8240
Iron	µg/L	150	300	Secondary DWS (EPA, 1991a)
Iron-55	pCi/L	1E+03	2E+03	Final DWS (EPA, 1977)
Iron-59	pCi/L	1E+02	2E+02	Final DWS (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	pCi/L	3E+01	6E+01	Final DWS (EPA, 1977)
Lead	µg/L	7.5	15	Final DWS (CFR, 1991)
Lindane	µg/L	0.1	0.2	Final DWS (CFR, 1991)
Lithium	µg/L	25	50	EPA Method 6010
Magnesium		No flag	No flag	Set by EPD/EMS
Manganese	µg/L	25	50	Secondary DWS (EPA, 1991a)
Manganese-54	pCi/L	1.5E+02	3E+02	Final DWS (EPA, 1977)
Mercury	µg/L	1	2	Final DWS (CFR, 1991)
Methacrylonitrile	µg/L	250	500	EPA Method 8240
Methapyrilene	µg/L	50	100	EPA Method 8270
Methoxychlor	µg/L	20	40	Final DWS (CFR, 1991)
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
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 DWS (EPA, 1991)
Nickel	µg/L	50	100	Proposed DWS (EPA, 1990)
Nickel-59	pCi/L	1.5E+02	3E+02	Final DWS (EPA, 1977)
Nickel-63	pCi/L	2.5E+01	5E+01	Final DWS (EPA, 1977)
Niobium-95	pCi/L	1.5E+02	3E+02	Final DWS (EPA, 1977)
Nitrate as nitrogen	µg/L	5,000	10,000	Final DWS (CFR, 1991)
Nitrite as nitrogen	µg/L	500	1,000	Final DWS (CFR, 1991)
2-Nitroaniline	µg/L	50	100	EPA Method 8270
3-Nitroaniline	µg/L	50	100	EPA Method 8270
4-Nitroaniline	µg/L	50	100	EPA Method 8270
Nitrobenzene	µg/L	50	100	EPA Method 8270
Nitrogen by Kjeldahl method	µg/L	500	1,000	EPA Method 351.2
2-Nitrophenol	µg/L	50	100	EPA Method 8270
4-Nitrophenol	µg/L	50	100	EPA Method 8270
4-Nitroquinoline-1-oxide	µg/L	50	100	EPA Method 8270
N-Nitrosodi-n-butylamine	µg/L	50	100	EPA Method 8270

<u>Analyte</u>	<u>Unit</u>	<u>Flag 1</u>	<u>Flag 2</u>	<u>Source</u>
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-Nitrosodi-propylamine	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	Proposed DWS (EPA, 1986)
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
Parathion	µg/L	2.5	5	EPA Method 8080
Parathion methyl	µg/L	2.5	5	EPA Method 8080
PCB 1016	µg/L	0.25	0.5	Final DWS (CFR, 1991)
PCB 1221	µg/L	0.25	0.5	Final DWS (CFR, 1991)
PCB 1232	µg/L	0.25	0.5	Final DWS (CFR, 1991)
PCB 1242	µg/L	0.25	0.5	Final DWS (CFR, 1991)
PCB 1248	µg/L	0.25	0.5	Final DWS (CFR, 1991)
PCB 1254	µg/L	0.25	0.5	Final DWS (CFR, 1991)
PCB 1260	µg/L	0.25	0.5	Final DWS (CFR, 1991)
PCB 1262	µg/L	0.25	0.5	Final DWS (CFR, 1991)
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-Pentachlorodibenzo-p-dioxin	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-Pentachlorodibenzo-p-furan	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 DWS (CFR, 1991)
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 420.2
p-Phenylenediamine	µg/L	50	100	EPA Method 8270
Phorate	µg/L	2.5	5	EPA Method 8080
2-Picoline	µg/L	50	100	EPA Method 8270
Plutonium-238	pCi/L	3.51E+00	7.02E+00	Proposed DWS (EPA, 1991)
Plutonium-239	pCi/L	3.11E+01	6.21E+01	Proposed DWS (EPA, 1991)
Plutonium-239/240 ^a	pCi/L	3.11E+01	6.21E+01	Proposed DWS (EPA, 1991)
Plutonium-240	pCi/L	3.11E+01	6.22E+01	Proposed DWS (EPA, 1991)
Plutonium-241	pCi/L	3.13E+01	6.26E+01	Proposed DWS (EPA, 1991)
Plutonium-242	pCi/L	3.27E+01	6.54E+01	Proposed DWS (EPA, 1991)
Potassium		No flag	No flag	Set by EPD/EMS
Potassium-40	pCi/L	1.5E+02	3E+02	Proposed DWS (EPA, 1986)
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

Analyte	Unit	Flag 1	Flag 2	Source
Radium-226	pCi/L	7.85E+00	1.57E+01	Proposed DWS (EPA, 1991)
Radium-228	pCi/L	3.93E+00	7.85E+00	Proposed DWS (EPA, 1991)
Radon-222	pCi/L	1.5E+02	3E+02	Proposed DWS (EPA, 1991)
Ruthenium-103	pCi/L	1E+02	2E+02	Final DWS (EPA, 1977)
Ruthenium-106	pCi/L	1.5E+01	3E+01	Final DWS (EPA, 1977)
Safrole	µg/L	50	100	EPA Method 8270
Selenium	µg/L	25	50	Final DWS (CFR, 1991)
Silica		No flag	No flag	Set by EPD/EMS
Silver	µg/L	25	50	Final DWS (CFR, 1991)
Sodium		No flag	No flag	Set by EPD/EMS
Sodium-22	pCi/L	2.33E+02	4.66E+02	Proposed DWS (EPA, 1991)
Specific conductance	µS/cm	250	500	Set by EPD/EMS
Strontium-89	pCi/L	1E+01	2E+01	Final DWS (EPA, 1977)
Strontium-89/90 ^a	pCi/L	4E+00	8E+00	Final DWS (CFR, 1991)
Strontium-90	pCi/L	4E+00	8E+00	Final DWS (CFR, 1991)
Styrene	µg/L	50	100	Final DWS (CFR, 1991)
Sulfate	µg/L	200,000	400,000	Proposed DWS (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
Technetium-99	pCi/L	4.5E+02	9E+02	Final DWS (EPA, 1977)
1,2,4,5-Tetrachlorobenzene	µg/L	50	100	EPA Method 8270
Tetrachlorodibenzo-p-dioxin isomers	µg/L	0.00225	0.0045	EPA Method 8280
Tetrachlorodibenzo-p-furan isomers	µg/L	0.002	0.004	EPA Method 8280
1,1,1,2-Tetrachloroethane	µg/L	5	10	EPA Method 8240
1,1,2,2-Tetrachloroethane	µg/L	5	10	EPA Method 8240
Tetrachloroethylene	µg/L	2.5	5	Final DWS (CFR, 1991)
2,3,4,6-Tetrachlorophenol	µg/L	50	100	EPA Method 8270
Tetraethyl dithiopyrophosphate	µg/L	50	100	EPA Method 8270
Thallium	µg/L	0.5	1	Proposed DWS (EPA, 1990)
Thionazin	µg/L	50	100	EPA Method 8270
Thorium-228	pCi/L	6.25E+01	1.25E+02	Proposed DWS (EPA, 1991)
Thorium-230	pCi/L	3.96E+01	7.92E+01	Proposed DWS (EPA, 1991)
Thorium-232	pCi/L	4.4E+01	8.8E+01	Proposed DWS (EPA, 1991)
Thorium-234	pCi/L	2E+02	4.01E+02	Proposed DWS (EPA, 1991)
Tin	µg/L	10	20	EPA Method 282.2
Tin-113	pCi/L	150	300	Final DWS (EPA, 1977)
Toluene	µg/L	500	1,000	Final DWS (CFR, 1991)
o-Toluidine	µg/L	50	100	EPA Method 8270
Total carbon	µg/L	5,000	10,000	EPA Method 9060
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	EPA 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
Total radium	pCi/L	2.5	5	Final DWS (CFR, 1991)
Total silica	µg/L	500	1,000	EPA Method 6010
Toxaphene	µg/L	1.5	3	Final DWS (CFR, 1991)
2,4,5-TP (Silvex)	µg/L	25	50	Final DWS (CFR, 1991)
Tributyl phosphate	µg/L	50	100	EPA Method 8270

Analyte	Unit	Flag 1	Flag 2	Source
1,2,4-Trichlorobenzene	µg/L	4.5	9	Proposed DWS (EPA, 1990)
1,1,1-Trichloroethane	µg/L	100	200	Final DWS (CFR, 1991)
1,1,2-Trichloroethane	µg/L	2.5	5	Proposed DWS (EPA, 1990)
Trichloroethylene	µg/L	2.5	5	Final DWS (CFR, 1991)
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 DWS (CFR, 1991)
Turbidity		No flag	No flag	Set by EPD/EMS
Uranium	µg/L	10	20	Proposed DWS (EPA, 1991)
Uranium alpha activity	pCi/L	1.5E+01	3E+01	Proposed DWS (EPA, 1991)
Uranium-233/234 ^a	pCi/L	6.9E-01	1.38E+01	Proposed DWS (EPA, 1991)
Uranium-234	pCi/L	6.95E+00	1.39E+01	Proposed DWS (EPA, 1991)
Uranium-235	pCi/L	7.25E+00	1.45E+01	Proposed DWS (EPA, 1991)
Uranium-238	pCi/L	7.3E+00	1.46E+01	Proposed DWS (EPA, 1991)
Vanadium	µg/L	50	100	EPA Method 6010
Vinyl acetate	µg/L	5	10	EPA Method 8240
Xylenes	µg/L	5,000	10,000	Final DWS (CFR, 1991)
Zinc	µg/L	2,500	5,000	Secondary DWS (EPA, 1991a)
Zinc-65	pCi/L	1.5E+02	3E+02	Final DWS (EPA, 1977)
Zirconium-95	pCi/L	1E+02	2E+02	Final DWS (EPA, 1977)
Zirconium/Niobium-95 ^a	pCi/L	1E+02	2E+02	Final DWS (EPA, 1977)

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

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Appendix C – Figures

GEOLOGIC AGE	Lithostratigraphic Units		Hydrostratigraphic Units				
T E R T I A R Y	Upland Unit		Regulatory "Uppermost Aquifer"	Aquifer Zone IIB2		Aquifer Unit IIB	Aquifer System II
		Tobacco Rd Formation		Confining Zone IIB1-IIB2			
		Dry Branch Formation		Aquifer Zone IIB1			
	McBean Formation Green Clay			Confining Unit IIA-IIB			
	Congaree			Aquifer Unit IIA			
	Williamsburg Formation			Confining System I-II			
	Ellenton Formation						

Figure 1. Site-Specific Hydrostratigraphic Nomenclature

	SIPLE (1967)	SRP BASELINE HYDROGEOLOGIC STUDY	GEOTRANS (1988)	AUCOTT (1987)	DUPONT (1989)	AADLAND (1990)							
T E R R 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 / I I							
	BARNWELL AQUIFER	B G A R R N O W U P L L F M				AQUIFER UNIT I/IC	AQUIFER UNIT IIB (1)	AQUIFER SYSTEM II					
		DRY BRANCH F M											
	McBEAN AQUITARD GREEN CLAY	McBEAN FORMATION GREEN CLAY				S B O U N D A R Y							
C R E T A C E O U S	CONGAREE AQUIFER	CONGAREE	AQUIFER 3	CONFINING UNIT	ZONE 4	CONFINING UNIT I/IB-1/IC	AQUIFER UNIT IIA	CONFINING SYSTEM I-II					
	UPPER TUSCALOOSA AQUIFER	WILLIAMSBURG FORMATION	AQUITARD 2										
		ELLENTON FORMATION											
	MID TUSCALOOSA AQUITARD	PEEDEE FORMATION											
C R E T A C E O U S	LOWER TUSCALOOSA AQUIFER	BLACK CREEK FORMATION	AQUIFER 2	BLACK CREEK AQUIFER	ZONE 3	CONFINING UNIT I/IIA-1/IB	AQUIFER UNIT IB (2)	AQUIFER SYSTEM I					
	BASAL CLAY AQUITARD	MIDDENDORF FORMATION	AQUITARD 1	CONFINING UNIT	ZONE 2								
		CAPE FEAR FORMATION	AQUIFER 1	MIDDENDORF AQUIFER									
			BASE OF MODEL	CONFINING UNIT	ZONE 1								
TRIASSIC OR PALEOZOIC BASEMENT						CONFINING SYSTEM I							
						PALEOZOIC - TRIASSIC BASEMENT HYDROLOGIC SYSTEM							

Figure 2. Regional Correlation of Hydrostratigraphic and Lithostratigraphic Nomenclature

Figure 3. Location of the Mixed Waste Management Facility at the Savannah River Site

Figure 4. Location of the Groundwater Monitoring Wells at the Mixed Waste Management Facility, the Old Burial Ground, the Burial Ground Expansion, and the Hazardous Waste/Mixed Waste Disposal Facility (the Burial Ground Complex)

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

Figure 7. Location of Aquifer Unit ILA (Congaree) Wells at the Burial Ground Complex

Figure 8. Tritium Activities in Aquifer Zone IIB₂ (Water Table) at the Burial Ground Complex, First Quarter 1992

Posted value of 1 indicates detection limit
Units = $\mu\text{g/L}$

Figure 10. Benzene Concentrations in Aquifer Zone IIB₂ (Water Table) at the Burial Ground Complex, First Quarter 1992

Figure 11. Tritium Activities in Aquifer Zone IIB, (Barnwell/McBean) at the Burial Ground Complex, First Quarter 1992

Figure 12. Trichloroethylene Concentrations in Aquifer Zone IIB₁ (Barnwell/McBean) at the Burial Ground Complex, First Quarter 1992

Figure 13. Benzene Concentrations in Aquifer Zone IIB₁ (Barnwell/McBean) at the Burial Ground Complex, First Quarter 1992

Figure 15. Trichloroethylene Concentrations in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, First Quarter 1992

SCALE 1 inch = 1000 feet

Posted value of 1 indicates detection limit
Units = $\mu\text{g/L}$

Figure 16. Benzene Concentrations in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, First Quarter 1992

Figure 17. pH Levels in Aquifer Zone IIB₂ (Water Table) at the Burial Ground Complex, First Quarter 1992

Figure 19. pH Levels in Aquifer Zone IIB₁ (Barnwell/McBean) at the Burial Ground Complex, First Quarter 1992

Figure 20. Specific Conductance in Aquifer Zone IIB₁ (Barnwell/McBean) at the Burial Ground Complex, First Quarter 1992

Figure 21. pH Levels in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, First Quarter 1992

Figure 22. Specific Conductance in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, First Quarter 1992

Figure 23. Piezometric Surface Map of Aquifer Zone BII₂ (Water Table) at the Burial Ground Complex

Figure 24. Potentiometric Surface Map of Aquifer Zone BII₁ (Barnwell/McBean) at the Burial Ground Complex

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

Appendix D – Groundwater Monitoring Results Tables

Key to Reading the Tables

The following abbreviations may appear in the tabular data:

BA = Barringer Laboratories, Inc.
D = drinking water standard
E = exponential notation (e.g., $1.1\text{E}-09 = 1.1 \times 10^{-9} = 0.0000000011$)
EM = EPD/EMS Laboratory
GE = General Engineering Laboratories
H = holding time
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-heptachlorodibenzo-p-furan
Lindane = gamma-benzene hexachloride
MA = M-Area Laboratory
msl = mean sea level
MSL = million structures/liter
NTU = turbidity unit
pH = pH unit
pCi/L = picocuries per liter
pCi/mL = picocuries per milliliter
Sp. = specific
PVC = polyvinyl chloride
TCDD = tetrachlorodibenzo-p-dioxin
TCDF = tetrachlorodibenzo-p-furan
TE = Teledyne Isotopes, Inc.
TM = TMA/Eberline
TOC = top of casing
WA = Roy F. Weston, Inc.
 $\mu\text{g/L}$ = micrograms per liter
 $\mu\text{S/cm}$ = microsiemens per centimeter

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 dot (●) in the H (holding time) column indicates that holding time was exceeded. Analyses performed beyond holding time may not yield valid results.

South Carolina Department of Health and Environmental Control (SCDHEC) allows only 15 minutes to elapse between sampling and analysis for pH. Thus, laboratory pH analyses always exceed holding time.

Laboratory-initiated procedures for reducing the number of other analyses performed out of holding time include subcontracting analyses when difficulties with equipment, personnel, or work load would prevent timely analyses. Beginning fourth quarter 1991, SRS reduced the compensation to laboratories for analyses performed out of holding time.

Table 1. Constituents Exceeding the Primary Drinking Water Standards

Aquifer Zone IIB₂ (Water Table)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>
BGO 2D	Tritium	pCi/mL	2.0E+01 ^a
	Tritium	pCi/mL	2.1E+01 ^a
BGO 3D	Tritium	pCi/mL	3.2E+01
BGO 5D	Tetrachloroethylene	µg/L	7.4
	Trichloroethylene	µg/L	7.4
BGO 6D	Trichloroethylene	µg/L	11
	Tritium	pCi/mL	7.8E+02
BGO 7D	Trichloroethylene	µg/L	174
	Tritium	pCi/mL	7.6E+02
BGO 10D	Nickel	µg/L	112
	Tritium	pCi/mL	3.4E+02
BGO 11D	Tritium	pCi/mL	4.5E+02
BGO 12D	Trichloroethylene	µg/L	164
	Tritium	pCi/mL	3.2E+01
BGO 14DR	Trichloroethylene	µg/L	66
	Tritium	pCi/mL	3.1E+01
BGO 15D	Tetrachloroethylene	µg/L	6.1
	Trichloroethylene	µg/L	73
	Tritium	pCi/mL	4.0E+02
BGO 16D	Trichloroethylene	µg/L	8.8 ^b
	Trichloroethylene	µg/L	8.9 ^b
	Tritium	pCi/mL	1.2E+03
BGO 20D	Tritium	pCi/mL	2.1E+01
BGO 21D	Tritium	pCi/mL	4.2E+01
BGO 23D	Mercury	µg/L	2.6
	Tritium	pCi/mL	2.8E+01
BGO 27D	Lead	µg/L	16
	Tritium	pCi/mL	1.3E+02
BGO 28D	Tritium	pCi/mL	9.2E+04
BGO 30D	1,1-Dichloroethylene	µg/L	19
	Lead	µg/L	20
	Nitrate as nitrogen	µg/L	222,000
	Trichloroethylene	µg/L	39
	Tritium	pCi/mL	4.7E+04

Aquifer Zone IIB₂ (Water Table)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>
BGO 31D	Tritium	pCi/mL	5.4E+02
BGO 32D	Lead	µg/L	18
	Tritium	pCi/mL	1.7E+03
BGO 33D	Tritium	pCi/mL	2.8E+01
BGO 34D	Tritium	pCi/mL	2.5E+01
BGO 35D	Tritium	pCi/mL	2.2E+02
BGO 36D	Tritium	pCi/mL	2.7E+01
BGO 37D	Tritium	pCi/mL	2.8E+01
BGO 38D	Tritium	pCi/mL	3.0E+01
BGO 39D	Tritium	pCi/mL	3.5E+01
BGO 44D	Tritium	pCi/mL	1.0E+03
BGO 45D	Tritium	pCi/mL	1.4E+02
BGO 46D	1,2-Dichloroethane	µg/L	22
	Tetrachloroethylene	µg/L	6.8
	Trichloroethylene	µg/L	64
	Tritium	pCi/mL	2.2E+04
BGO 47D	Trichloroethylene	µg/L	13
	Tritium	pCi/mL	3.3E+03
BGO 48D	Tetrachloroethylene	µg/L	20
	Total alpha-emitting radium ^c	pCi/L	6.1E+00
	Trichloroethylene	µg/L	135
	Tritium	pCi/mL	4.2E+04
BGO 49D	Tritium	pCi/mL	2.3E+01
BGO 50D	Trichloroethylene	µg/L	7.6
	Tritium	pCi/mL	2.0E+03
BGX 1D	Tritium	pCi/mL	3.9E+02
BGX 12D	Tritium	pCi/mL	2.9E+01

Aquifer Zone IIB₁ (Barnwell/McBean)

<u>Unit</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>
BGO 5C	Tritium	pCi/mL	3.0E+01
BGO 6C	Tritium	pCi/mL	7.7E+02

Aquifer Zone IIB₁ (Barnwell/McBean)

<u>Unit</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>
BGO 12CR	Trichloroethylene	μg/L	54
BGO 13DR	Trichloroethylene	μg/L	9
	Tritium	pCi/mL	1.3E + 02
BGO 14CR	Trichloroethylene	μg/L	46
	Tritium	pCi/mL	3.4E + 01
BGO 27C	Trichloroethylene	μg/L	16 ^b
	Trichloroethylene	μg/L	14 ^b
	Trichloroethylene	μg/L	16 ^b
	Trichloroethylene	μg/L	14 ^b
	Tritium	pCi/mL	6.1E + 01 ^a
	Tritium	pCi/mL	6.1E + 01 ^a
	Tritium	pCi/mL	6.0E + 01 ^a
	Tritium	pCi/mL	6.1E + 01 ^a
	Tritium	pCi/mL	6.1E + 01 ^a
BGO 29C	Tritium	pCi/mL	1.2E + 02
BGO 30C	Trichloroethylene	μg/L	7.1
	Tritium	pCi/mL	6.6E + 02
BGO 31C	Tritium	pCi/mL	3.5E + 03
BGO 33C	Trichloroethylene	μg/L	18
	Tritium	pCi/mL	7.6E + 03
BGO 42C	Trichloroethylene	μg/L	63
BGO 44B	Tritium	pCi/mL	1.4E + 03
BGO 44C	Tritium	pCi/mL	2.8E + 02
BGO 45C	Tritium	pCi/mL	1.0E + 02
BGO 46B	Tritium	pCi/mL	2.2E + 01
BGO 46C	Tritium	pCi/mL	9.4E + 01
BGO 47C	Tritium	pCi/mL	3.8E + 02
BGO 48C	Tritium	pCi/mL	1.7E + 03
BGO 50C	Trichloroethylene	μg/L	9
	Tritium	pCi/mL	6.4E + 01
BGX 1C	Tritium	pCi/mL	2.6E + 02
BGX 2D	Trichloroethylene	μg/L	8.8
	Tritium	pCi/mL	9.8E + 01
BGX 3D	Tritium	pCi/mL	1.1E + 03

A Zone IIB₁ (Barnwell/McBean)

<u>Unit</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>
BGX 4D	Tritium	pCi/mL	5.9E+01
BGX 8D	Tritium	pCi/mL	1.1E+03
HMD 2D	Lead	μg/L	42

Aquifer Unit IIA (Congaree)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>
BGO 14AR	Antimony	μg/L	5.2
BGX 1A	Gross alpha	pCi/L	2.4E+01
	Nonvolatile beta	pCi/L	5.1E+01
	Total alpha-emitting radium	pCi/L	7.8E+00
	Tritium	pCi/mL	2.0E+02

^a Duplicate samples of tritium

^b Duplicate samples of trichloroethylene

^c The PDWS for total radium was applied to total alpha-emitting radium for 1Q92.

Table 2. Constituents Exceeding Half the Primary Drinking Water Standards or Other Flag 1 or Flag 2 Criteria

Aquifer Zone IIB₂ (Water Table)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>	<u>Flag</u>
BGO 1D	<i>Lead</i>	µg/L	7.9	1
	Specific conductance	µS/cm	798	2
	<i>Tritium</i>	pCi/mL	1.7E+01	1
BGO 2D	Total alpha-emitting radium ^a	pCi/L	2.8E+00 ^b	1
	Total alpha-emitting radium	pCi/L	2.7E+00 ^b	1
	Total organic halogens	µg/L	44	1
	<i>Tritium</i>	pCi/mL	1.8E+01 ^c	1
	<i>Tritium</i>	pCi/mL	1.8E+01 ^c	1
	<i>Tritium</i>	pCi/mL	1.9E+01 ^c	1
	<i>Tritium</i>	pCi/mL	1.9E+01 ^c	1
BGO 3D	Aluminum	µg/L	186	1
	Total alpha-emitting radium	pCi/L	3.7E+00	1
	Total organic halogens	µg/L	46	1
BGO 5D	Manganese	µg/L	31	1
	Total alpha-emitting radium	pCi/L	4.5E+00	1
	Total organic halogens	µg/L	72	2
BGO 6D	Total organic halogens	µg/L	66	2
BGO 7D	<i>1,1-Dichloroethylene</i>	µg/L	4.2	1
	Total organic halogens	µg/L	185	2
BGO 8D	<i>Trichloroethylene</i>	µg/L	2.8	1
	<i>Tritium</i>	pCi/mL	1.3E+01	1
BGO 9D	Manganese	µg/L	28	1
	<i>Tritium</i>	pCi/mL	1.6E+01	1
BGO 10D	Manganese	µg/L	32	1
	Specific conductance	µS/cm	270	1
BGO 11D	Total alpha-emitting radium	pCi/L	2.5E+00	1
BGO 12D	Total organic halogens	µg/L	95	2
BGO 14DR	Manganese	µg/L	33	1
	Total organic halogens	µg/L	80	2
BGO 15D	Specific conductance	µS/cm	1,650	2
	Total organic halogens	µg/L	55	2
	Trichlorofluoromethane	µg/L	7.9	1
BGO 16D	pH	pH	9.9 ^d	1
	pH	pH	9.9 ^d	1
	Specific conductance	µS/cm	280 ^e	1

Aquifer Zone IIB₂ (Water Table)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>	<u>Flag</u>
	Specific conductance	μS/cm	285 ^a	1
	Total alpha-emitting radium	pCi/L	3.1E+00	1
	Total organic halogens	μg/L	34	1
BGO 18D	<i>Tritium</i>	pCi/mL	1.5E+01	1
BGO 20D	Manganese	μg/L	65	2
BGO 22D	Total organic halogens	μg/L	46	1
	<i>Tritium</i>	pCi/mL	1.7E+01	1
BGO 24D	Aluminum	μg/L	449	2
	pH	pH	9.7 ^d	1
	pH	pH	9.7 ^d	1
BGO 26D	<i>Lead</i>	μg/L	15	1
BGO 27D	Iron	μg/L	1,050	2
	Manganese	μg/L	35	1
	Total organic halogens	μg/L	68	2
	Trichlorofluoromethane	μg/L	6.8	1
BGO 28D	Iron	μg/L	576	2
	<i>Lead</i>	μg/L	10	1
	Manganese	μg/L	68	2
	Total organic halogens	μg/L	502	2
BGO 29D	Manganese	μg/L	116	2
	Total alpha-emitting radium	pCi/L	2.9E+00	1
	Total organic halogens	μg/L	51	2
BGO 30D	1,1-Dichloroethane	μg/L	82	2
	Iron	μg/L	225	1
	Manganese	μg/L	56	2
	Total alpha-emitting radium	pCi/L	3.8E+00	1
	Total organic halogens	μg/L	428	2
BGO 31D	<i>Antimony</i>	μg/L	2.5	1
	Total organic halogens	μg/L	51	2
	Trichlorofluoromethane	μg/L	23	2
BGO 32D	Aluminum	μg/L	185	1
	<i>Nitrate as nitrogen</i>	μg/L	5,000	1
	Total alpha-emitting radium	pCi/L	4.5E+00	1
	<i>Trichloroethylene</i>	μg/L	4.3	1
BGO 33D	<i>Antimony</i>	μg/L	3.0	1
	Iron	μg/L	184	1
BGO 36D	<i>Lead</i>	μg/L	13	1
BGO 37D	<i>Antimony</i>	μg/L	3.3	1

Aquifer Zone IIB₂ (Water Table)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>	<u>Flag</u>
BGO 38D	Aluminum	µg/L	155	1
	Iron	µg/L	418	2
BGO 39D	Total organic halogens	µg/L	32	1
BGO 40D	Manganese	µg/L	30	1
	<i>Nonvolatile beta</i>	pCi/L	3.4E+01	1
	Specific conductance	µg/L	380	1
	Total organic halogens	µg/L	250	2
BGO 45D	Total organic halogens	µg/L	26	1
BGO 46D	Total organic halogens	µg/L	199	2
	Trichlorofluoromethane	µg/L	12	2
BGO 47D	Total organic halogens	µg/L	27	1
BGO 48D	<i>Gross alpha</i>	pCi/L	1.1E+01	1
	Total organic halogens	µg/L	131	2
	Trichlorofluoromethane	µg/L	14	2
BGO 49D	Total organic halogens	µg/L	27	1
BGO 50D	Total organic halogens	µg/L	78	2
BGX 1D	Manganese	µg/L	119	2
BGX 9D	<i>Tritium</i>	pCi/mL	1.1E+01	1
BGX 10D	Manganese	µg/L	73	2
	Total organic halogens	µg/L	36 ^f	1
	Total organic halogens	µg/L	37 ^f	1
	Total organic halogens	µg/L	39 ^f	1
	<i>Tritium</i>	pCi/mL	1.0E+01	1

Aquifer Zone IIB₁ (Barnwell/McBean)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>	<u>Flag</u>
BGO 5C	Iron	µg/L	431	2
BGO 10C	pH	pH	8.0	1
	Specific conductance	µS/cm	252	1
BGO 12CR	Aluminum	µg/L	905	2
	pH	pH	11	2
BGO 13DR	Manganese	µg/L	122	2
BGO 14CR	Aluminum	µg/L	334	2
	Total organic halogens	µg/L	44	1

Aquifer Zone IIB₁ (Barnwell/McBean)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>	<u>Flag</u>
BGO 27C	Total organic halogens	µg/L	70 ^f	2
	Total organic halogens	µg/L	126 ^f	2
	Trichlorofluoromethane	µg/L	5.8	1
BGO 29C	Total organic halogens	µg/L	47	1
BGO 31C	<i>Trichloroethylene</i>	µg/L	4.1	1
BGO 33C	Manganese	µg/L	30	1
	<i>Mercury</i>	µg/L	1.1	1
	<i>Tetrachloroethylene</i>	µg/L	3.5	1
	Total organic halogens	µg/L	83	2
BGO 35C	Aluminum	µg/L	117	1
	Total organic halogens	µg/L	55	2
BGO 42C	Total organic halogens	µg/L	57	2
BGO 43C	<i>Gross alpha</i>	pCi/L	7.7E+00	1
	Total alpha-emitting radium	pCi/L	4.3E+00	1
BGO 43D	Total alpha-emitting radium	pCi/L	4.4E+00	1
	Total organic halogens	µg/L	53	2
BGO 44B	pH	pH	11	2
	Specific conductance	µS/cm	1,650	2
	Total organic carbon	µg/L	6,000	1
BGO 44C	pH	pH	9.6	1
	Total organic halogens	µg/L	55	2
BGO 45B	pH	pH	9.3	1
BGO 45C	<i>Lead</i>	µg/L	8.1	1
	Manganese	µg/L	36	1
BGO 46C	Manganese	µg/L	65	2
	<i>Trichloroethylene</i>	µg/L	4.3	1
BGO 47C	<i>Trichloroethylene</i>	µg/L	3.7	1
BGO 48C	Total organic halogens	µg/L	48	1
BGO 49C	Total organic halogens	µg/L	43	1
	<i>Tritium</i>	pCi/mL	2.0E+01	1
BGO 50C	Manganese	µg/L	31	1
BGX 1C	pH	pH	11 ^d	2
	pH	pH	12 ^d	2
	pH	pH	12 ^d	2
	pH	pH	12 ^d	2
	Specific conductance	µS/cm	295 ^e	1
	Specific conductance	µS/cm	300 ^e	1

Aquifer Zone IIB₁ (Barnwell/McBean)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>	<u>Flag</u>
	Specific conductance	μS/cm	305 ^g	1
	Specific conductance	μS/cm	310 ^g	1
BGX 3D	Manganese	μg/L	34	1
BGX 4D	Manganese	μg/L	31	1
BGX 5D	Manganese	μg/L	456 ^g	2
	Manganese	μg/L	453 ^g	2
	Manganese	μg/L	471 ^g	2
	Manganese	μg/L	463 ^g	2
	Total organic halogens	μg/L	65	2
	Trichlorofluoromethane	μg/L	7.4 ^h	1
	Trichlorofluoromethane	μg/L	7.8 ^h	1
	Trichlorofluoromethane	μg/L	6.5 ^h	1
	Trichlorofluoromethane	μg/L	7.1 ^h	1
	Trichlorofluoromethane	μg/L	12 ^h	2
BGX 6D	Manganese	μg/L	82	2
BGX 7D	<i>Tritium</i>	pCi/mL	1.5E+01	1
BGX 8D	Manganese	μg/L	37	1
HMD 1D	Manganese	μg/L	97	2
	<i>Tritium</i>	pCi/mL	1.1E+01	1
HMD 2D	Total organic halogens	μg/L	72 ^f	2
	Total organic halogens	μg/L	113 ^f	2
	Total organic halogens	μg/L	60 ^f	2
HMD 3D	Manganese	μg/L	34	1
	Total alpha-emitting radium	pCi/L	2.8E+00	1
	Trichlorofluoromethane	μg/L	9.3	1
HMD 4D	Manganese	μg/L	47	1
HSB 85B	pH	pH	9.4	1

Aquifer Unit IIA (Congaree)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>	<u>Flag</u>
BGO 6A	Specific conductance	μS/cm	309	1
BGO 8AR	Manganese	μg/L	25 ^g	1
	Manganese	μg/L	27 ^g	1
	Manganese	μg/L	25 ^g	1
	Total organic halogens	μg/L	45 ^f	1
	Total organic halogens	μg/L	60 ^f	2

Aquifer Unit IIA (Congaree)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>	<u>Flag</u>
BGO 10AR	Manganese	µg/L	35	1
BGO 12AR	Aluminum	µg/L	180	1
	pH	pH	10	2
	Total organic halogens	µg/L	69	2
	<i>Trichloroethylene</i>	µg/L	4.2	1
BGO 14AR	Aluminum	µg/L	1,160	2
	pH	pH	11	2
	Specific conductance	µS/cm	381	1
	<i>Trichloroethylene</i>	µg/L	4.5	1
BGO 16A	Aluminum	µg/L	790	2
	pH	pH	11	2
	Specific conductance	µS/cm	1,400	2
BGO 18A	Manganese	µg/L	55	2
BGO 25A	Total organic halogens	µg/L	298	2
BGO 29A	Total organic halogens	µg/L	30	1
BGO 41A	<i>Nonvolatile beta</i>	pCi/L	2.8E + 01	1
	pH	pH	12	2
	Specific conductance	µS/cm	1,100	2
	Total organic carbon	µg/L	6,000	1
BGO 43A	pH	pH	12	2
	Specific conductance	µS/cm	2,250	2
BGO 43AA	pH	pH	9.8	1
BGO 44AA	pH	pH	9.1	1
BGO 45A	Total organic halogens	µg/L	37	1
BGO 47A	Manganese	µg/L	64	2
BGO 49A	pH	pH	10	2
BGO 50A	pH	pH	12	2
	Specific conductance	µS/cm	850	2
	Total organic halogens	µg/L	79	2
BGX 1A	pH	pH	13 ^d	2
	pH	pH	13 ^d	2
	pH	pH	13 ^d	2
	pH	pH	13 ^d	2
	Specific conductance	µS/cm	3,300 ^e	2
	Specific conductance	µS/cm	3,300 ^e	2
	Specific conductance	µS/cm	3,350 ^e	2
	Specific conductance	µS/cm	3,400 ^e	2

Aquifer Unit IIA (Congaree)

<u>Well</u>	<u>Constituent</u>	<u>Unit</u>	<u>1Q92</u>	<u>Flag</u>
	Total organic carbon	µg/L	5,000 ⁱ	1
	Total organic carbon	µg/L	6,000 ⁱ	1
	Total organic carbon	µg/L	6,000 ⁱ	1
	Total organic carbon	µg/L	6,000 ⁱ	1

^a Flagging criteria for total radium were applied to total alpha-emitting radium for 1Q92.

^b Duplicate samples of total alpha-emitting radium

^c Duplicate samples of tritium

^d Duplicate samples of pH

^e Duplicate samples of specific conductance

^f Duplicate samples of total organic halogens

^g Duplicate samples of manganese

^h Duplicate samples of trichlorofluoromethane

ⁱ Duplicate samples of total organic carbon

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

FIELD MEASUREMENTS

Sample date: 01/29/92
 Depth to water: 55.22 ft (16.83 m) below TOC
 Water elevation: 239.88 ft (73.12 m) msl
 Sp. conductance: 45 µS/cm
 Water evacuated before sampling: 8 gal
 The well went dry during purging.

Time: 9:30
 pH: 4.2
 Alkalinity: 0 mg/L
 Water temperature: 19.7°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	4.7	pH	0	GE
		Specific conductance	798	µS/cm	2	GE
		Turbidity	76	NTU	0	GE
		Turbidity	76	NTU	0	GE
•		Acenaphthene	<10	µg/L	0	GE
•		Acenaphthylene	<10	µg/L	0	GE
•		Acetophenone	<10	µg/L	0	GE
•		Aldrin	<10	µg/L	0	GE
		Aluminum	66	µg/L	0	GE
•		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	10	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		Benzidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	71	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	1,720	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 1D collected on 01/29/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	16	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.0	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	72	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 1D collected on 01/29/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Lead	7.9	µg/L	1	GE
•		Lindane	<10	µg/L	0	GE
		Magnesium	146	µg/L	0	GE
		Manganese	24	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	3,850	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE
•		PCB 1260	<150	µg/L	0	GE
•		Pentachlorophenol	<10	µg/L	0	GE
•		Phenanthrene	<10	µg/L	0	GE
•		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
•		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	5,530	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	6,530	µg/L	0	GE
		Sulfate	2,700	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	32,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	9.6	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<10	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Gross alpha	2.0E+00 ± 5.2E-01	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.0E+00 ± 4.0E-01	pCi/L	0	GE
		Tritium	1.7E+01 ± 4.0E-01	pCi/mL	1	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard

WELL BGO 1D collected on 01/29/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

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

FIELD MEASUREMENTS

Sample date: 02/14/92
 Depth to water: 58.15 ft (17.72 m) below TOC
 Water elevation: 238.75 ft (72.77 m) msl
 Sp. conductance: 46 µS/cm
 Water evacuated before sampling: 52 gal

Time: 10:00
 pH: 4.5
 Alkalinity: 0 mg/L
 Water temperature: 18.8°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.2	pH	0	WA
•		pH	4.4	pH	0	WA
•		pH	4.9	pH	0	GE
•		pH	4.7	pH	0	GE
		Specific conductance	29	µS/cm	0	WA
		Specific conductance	39	µS/cm	0	WA
		Specific conductance	35	µS/cm	0	GE
		Specific conductance	38	µS/cm	0	GE
•		Turbidity	0.31	NTU	0	WA
•		Turbidity	0.35	NTU	0	WA
		Turbidity	1.6	NTU	0	GE
		Turbidity	0.33	NTU	0	GE
		Turbidity	0.31	NTU	0	GE
		Acenaphthene	< 10	µg/L	0	WA
		Acenaphthene	< 10	µg/L	0	WA
		Acenaphthene	< 10	µg/L	0	WA
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthene	< 10	µg/L	0	GE
		Acenaphthylene	< 10	µg/L	0	WA
		Acenaphthylene	< 10	µg/L	0	WA
		Acenaphthylene	< 10	µg/L	0	WA
		Acenaphthylene	< 10	µg/L	0	WA
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	70	µg/L	0	WA
		Aluminum	66	µg/L	0	WA
		Aluminum	67	µg/L	0	WA

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 2D collected on 02/14/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Aluminum	72	µg/L	0	GE
		Aluminum	72	µg/L	0	GE
		Anthracene	<10	µg/L	0	WA
		Anthracene	<10	µg/L	0	WA
		Anthracene	<10	µg/L	0	WA
		Anthracene	<10	µg/L	0	WA
•		Anthracene	<10	µg/L	0	GE
•		Anthracene	<10	µg/L	0	GE
		Antimony	<2.6	µg/L	0	WA
		Antimony	<2.6	µg/L	0	WA
		Antimony	<2.6	µg/L	0	WA
		Antimony	<2.0	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	WA
		Arsenic	<2.0	µg/L	0	WA
		Arsenic	<2.0	µg/L	0	WA
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	18	µg/L	0	WA
		Barium	18	µg/L	0	WA
		Barium	17	µg/L	0	WA
		Barium	21	µg/L	0	GE
		Barium	21	µg/L	0	GE
		Benzene	<1.0	µg/L	0	WA
		Benzene	<5.0	µg/L	0	WA
		Benzene	<1.0	µg/L	0	WA
		Benzene	<5.0	µg/L	0	WA
		Benzene	<1.0	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
		Benzidine	<50	µg/L	0	WA
		Benzidine	<50	µg/L	0	WA
		Benzidine	<50	µg/L	0	WA
		Benzidine	<50	µg/L	0	WA
•		Benzidine	<10	µg/L	0	GE
•		Benzidine	<10	µg/L	0	GE
		Benzo[a]anthracene	<10	µg/L	0	WA
		Benzo[a]anthracene	<10	µg/L	0	WA
		Benzo[a]anthracene	<10	µg/L	0	WA
		Benzo[a]anthracene	<10	µg/L	0	WA
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
		Benzo[a]pyrene	<10	µg/L	0	WA
		Benzo[a]pyrene	<10	µg/L	0	WA
		Benzo[a]pyrene	<10	µg/L	0	WA
		Benzo[a]pyrene	<10	µg/L	0	WA
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
		Benzo[b]fluoranthene	<10	µg/L	0	WA
		Benzo[b]fluoranthene	<10	µg/L	0	WA
		Benzo[b]fluoranthene	<10	µg/L	0	WA

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WELL BGO 2D collected on 02/14/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Benzo[b]fluoranthene	< 10	µg/L	0	WA
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
		Benzo[g,h,i]perylene	< 10	µg/L	0	WA
		Benzo[g,h,i]perylene	< 10	µg/L	0	WA
		Benzo[g,h,i]perylene	< 10	µg/L	0	WA
		Benzo[g,h,i]perylene	< 10	µg/L	0	WA
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
		Benzo[k]fluoranthene	< 10	µg/L	0	WA
		Benzo[k]fluoranthene	< 10	µg/L	0	WA
		Benzo[k]fluoranthene	< 10	µg/L	0	WA
		Benzo[k]fluoranthene	< 10	µg/L	0	WA
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
		Bis(2-chloroethoxy) methane	< 10	µg/L	0	WA
		Bis(2-chloroethoxy) methane	< 10	µg/L	0	WA
		Bis(2-chloroethoxy) methane	< 10	µg/L	0	WA
		Bis(2-chloroethoxy) methane	< 10	µg/L	0	WA
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
		Bis(2-chloroethyl) ether	< 10	µg/L	0	WA
		Bis(2-chloroethyl) ether	< 10	µg/L	0	WA
		Bis(2-chloroethyl) ether	< 10	µg/L	0	WA
		Bis(2-chloroethyl) ether	< 10	µg/L	0	WA
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	WA
		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	WA
		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	WA
		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	WA
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	WA
		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	WA
		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	WA
		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	WA
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 5.0	µg/L	0	WA
		Bromodichloromethane	< 5.0	µg/L	0	WA
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 5.0	µg/L	0	WA
		Bromoform	< 5.0	µg/L	0	WA
		Bromoform	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 10	µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10	µg/L	0	WA
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		4-Bromophenyl phenyl ether	< 10	µg/L	0	WA
		4-Bromophenyl phenyl ether	< 10	µg/L	0	WA
		4-Bromophenyl phenyl ether	< 10	µg/L	0	WA
		4-Bromophenyl phenyl ether	< 10	µg/L	0	WA
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE

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WELL BGO 2D collected on 02/14/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
		Butylbenzyl phthalate	< 10	µg/L	0	WA
		Butylbenzyl phthalate	< 10	µg/L	0	WA
		Butylbenzyl phthalate	< 10	µg/L	0	WA
		Butylbenzyl phthalate	< 10	µg/L	0	WA
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 0.35	µg/L	0	WA
		Cadmium	< 0.35	µg/L	0	WA
		Cadmium	< 0.35	µg/L	0	WA
		Cadmium	< 2.0	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	1,040	µg/L	0	WA
		Calcium	1,060	µg/L	0	WA
		Calcium	1,060	µg/L	0	WA
		Calcium	1,110	µg/L	0	GE
		Calcium	1,110	µg/L	0	GE
		Carbon tetrachloride	< 5.0	µg/L	0	WA
		Carbon tetrachloride	< 5.0	µg/L	0	WA
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	3,160	µg/L	0	WA
		Chloride	299	µg/L	0	WA
		Chloride	3,460	µg/L	0	GE
		Chloride	3,520	µg/L	0	GE
		para-Chloro-meta-cresol	< 10	µg/L	0	WA
		para-Chloro-meta-cresol	< 10	µg/L	0	WA
		para-Chloro-meta-cresol	< 10	µg/L	0	WA
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 5.0	µg/L	0	WA
		Chlorobenzene	< 5.0	µg/L	0	WA
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 10	µg/L	0	WA
		Chloroethane	< 10	µg/L	0	WA
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 10	µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10	µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 10	µg/L	0	WA
		2-Chloroethyl vinyl ether	< 10	µg/L	0	WA
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 5.0	µg/L	0	WA
		Chloroform	< 5.0	µg/L	0	WA
		Chloroform	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 10	µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10	µg/L	0	WA
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE

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WELL BGO 2D collected on 02/14/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		2-Chloronaphthalene	< 10	µg/L	0	WA
		2-Chloronaphthalene	< 10	µg/L	0	WA
		2-Chloronaphthalene	< 10	µg/L	0	WA
		2-Chloronaphthalene	< 10	µg/L	0	WA
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
		2-Chlorophenol	< 10	µg/L	0	WA
		2-Chlorophenol	< 10	µg/L	0	WA
		2-Chlorophenol	< 10	µg/L	0	WA
•		2-Chlorophenol	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
		4-Chlorophenyl phenyl ether	< 10	µg/L	0	WA
		4-Chlorophenyl phenyl ether	< 10	µg/L	0	WA
		4-Chlorophenyl phenyl ether	< 10	µg/L	0	WA
		4-Chlorophenyl phenyl ether	< 10	µg/L	0	WA
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	1.3	µg/L	0	WA
		Chromium	< 1.1	µg/L	0	WA
		Chromium	1.1	µg/L	0	WA
		Chromium	< 4.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Chrysene	< 10	µg/L	0	WA
		Chrysene	< 10	µg/L	0	WA
		Chrysene	< 10	µg/L	0	WA
		Chrysene	< 10	µg/L	0	WA
•		Chrysene	< 10	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	1.5	µg/L	0	WA
		Copper	1.6	µg/L	0	WA
		Copper	1.7	µg/L	0	WA
		Copper	< 4.0	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
		Cyanide	6.0	µg/L	0	WA
		Cyanide	< 5.0	µg/L	0	WA
		Cyanide	< 5.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
		Di-n-butyl phthalate	< 10	µg/L	0	WA
		Di-n-butyl phthalate	< 10	µg/L	0	WA
		Di-n-butyl phthalate	< 10	µg/L	0	WA
		Di-n-butyl phthalate	< 10	µg/L	0	WA
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
		Di-n-octyl phthalate	< 10	µg/L	0	WA
		Di-n-octyl phthalate	< 10	µg/L	0	WA
		Di-n-octyl phthalate	< 10	µg/L	0	WA
		Di-n-octyl phthalate	< 10	µg/L	0	WA
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE

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WELL BGO 2D collected on 02/14/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Dibenz[a,h]anthracene	<10	µg/L	0	WA
		Dibenz[a,h]anthracene	<10	µg/L	0	WA
		Dibenz[a,h]anthracene	<10	µg/L	0	WA
		Dibenz[a,h]anthracene	<10	µg/L	0	WA
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<5.0	µg/L	0	WA
		Dibromochloromethane	<5.0	µg/L	0	WA
		Dibromochloromethane	<1.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,2-Dichlorobenzene	<10	µg/L	0	WA
		1,2-Dichlorobenzene	<10	µg/L	0	WA
		1,2-Dichlorobenzene	<10	µg/L	0	WA
		1,2-Dichlorobenzene	<10	µg/L	0	WA
		1,3-Dichlorobenzene	<10	µg/L	0	WA
		1,3-Dichlorobenzene	<10	µg/L	0	WA
		1,3-Dichlorobenzene	<10	µg/L	0	WA
		1,3-Dichlorobenzene	<10	µg/L	0	WA
		1,4-Dichlorobenzene	<10	µg/L	0	WA
		1,4-Dichlorobenzene	<10	µg/L	0	WA
		1,4-Dichlorobenzene	<10	µg/L	0	WA
		3,3'-Dichlorobenzidine	<20	µg/L	0	WA
		3,3'-Dichlorobenzidine	<20	µg/L	0	WA
		3,3'-Dichlorobenzidine	<20	µg/L	0	WA
		3,3'-Dichlorobenzidine	<20	µg/L	0	WA
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<5.0	µg/L	0	WA
		1,1-Dichloroethane	<5.0	µg/L	0	WA
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<5.0	µg/L	0	WA
		1,2-Dichloroethane	<5.0	µg/L	0	WA
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<5.0	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	µg/L	0	WA
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<5.0	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	µg/L	0	WA
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.5	µg/L	0	WA
		Dichloromethane (Methylene chloride)	2.6	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		2,4-Dichlorophenol	<10	µg/L	0	WA
		2,4-Dichlorophenol	<10	µg/L	0	WA
		2,4-Dichlorophenol	<10	µg/L	0	WA
		2,4-Dichlorophenol	<10	µg/L	0	WA
•		2,4-Dichlorophenol	<10	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.1	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0	µg/L	0	WA
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE

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WELL BGO 2D collected on 02/14/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<5.0	µg/L	0	WA
		1,2-Dichloropropane	<5.0	µg/L	0	WA
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	µg/L	0	WA
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	µg/L	0	WA
•		Dieldrin	<10	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
		Diethyl phthalate	1.1	µg/L	0	WA
		Diethyl phthalate	1.2	µg/L	0	WA
		Diethyl phthalate	1.7	µg/L	0	WA
		Diethyl phthalate	<10	µg/L	0	WA
•		Diethyl phthalate	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
		2,4-Dimethyl phenol	<10	µg/L	0	WA
		2,4-Dimethyl phenol	<10	µg/L	0	WA
		2,4-Dimethyl phenol	<10	µg/L	0	WA
		2,4-Dimethyl phenol	<10	µg/L	0	WA
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
		Dimethyl phthalate	<10	µg/L	0	WA
		Dimethyl phthalate	<10	µg/L	0	WA
		Dimethyl phthalate	<10	µg/L	0	WA
		Dimethyl phthalate	<10	µg/L	0	WA
•		Dimethyl phthalate	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
		4,6-Dinitro-ortho-cresol	<50	µg/L	0	WA
		4,6-Dinitro-ortho-cresol	<50	µg/L	0	WA
		4,6-Dinitro-ortho-cresol	<50	µg/L	0	WA
		4,6-Dinitro-ortho-cresol	<50	µg/L	0	WA
		2,4-Dinitrophenol	<50	µg/L	0	WA
		2,4-Dinitrophenol	<50	µg/L	0	WA
		2,4-Dinitrophenol	<50	µg/L	0	WA
		2,4-Dinitrophenol	<50	µg/L	0	WA
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
		2,4-Dinitrotoluene	<10	µg/L	0	WA
		2,4-Dinitrotoluene	<10	µg/L	0	WA
		2,4-Dinitrotoluene	<10	µg/L	0	WA
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
		2,6-Dinitrotoluene	<10	µg/L	0	WA
		2,6-Dinitrotoluene	<10	µg/L	0	WA
		2,6-Dinitrotoluene	<10	µg/L	0	WA
		2,6-Dinitrotoluene	<10	µg/L	0	WA
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE

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WELL BGO 2D collected on 02/14/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
		Endrin	<0.10	µg/L	0	WA
		Endrin	<0.10	µg/L	0	WA
•		Endrin	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin	<0.0060	µg/L	0	GE
•		Endrin	<0.0060	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	WA
		Ethylbenzene	<5.0	µg/L	0	WA
		Ethylbenzene	<1.0	µg/L	0	WA
		Ethylbenzene	<5.0	µg/L	0	WA
		Ethylbenzene	<1.0	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoranthene	<10	µg/L	0	WA
		Fluoranthene	<10	µg/L	0	WA
		Fluoranthene	<10	µg/L	0	WA
		Fluoranthene	<10	µg/L	0	WA
•		Fluoranthene	<10	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
		Fluorene	<10	µg/L	0	WA
		Fluorene	<10	µg/L	0	WA
		Fluorene	<10	µg/L	0	WA
		Fluorene	<10	µg/L	0	WA
•		Fluorene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	WA
		Fluoride	<100	µg/L	0	WA
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
		Hexachlorobenzene	<10	µg/L	0	WA
		Hexachlorobenzene	<10	µg/L	0	WA
		Hexachlorobenzene	<10	µg/L	0	WA
		Hexachlorobenzene	<10	µg/L	0	WA
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
		Hexachlorobutadiene	<10	µg/L	0	WA
		Hexachlorobutadiene	<10	µg/L	0	WA
		Hexachlorobutadiene	<10	µg/L	0	WA
		Hexachlorobutadiene	<10	µg/L	0	WA
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
		Hexachlorocyclopentadiene	<10	µg/L	0	WA
		Hexachlorocyclopentadiene	<10	µg/L	0	WA
		Hexachlorocyclopentadiene	<10	µg/L	0	WA

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WELL BGO 2D collected on 02/14/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Hexachlorocyclopentadiene	< 10	µg/L	0	WA
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
		Hexachloroethane	< 10	µg/L	0	WA
		Hexachloroethane	< 10	µg/L	0	WA
		Hexachloroethane	< 10	µg/L	0	WA
		Hexachloroethane	< 10	µg/L	0	WA
•		Hexachloroethane	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	WA
		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	WA
		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	WA
		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	WA
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	11	µg/L	0	WA
		Iron	13	µg/L	0	WA
		Iron	15	µg/L	0	WA
		Iron	7.8	µg/L	0	GE
		Iron	6.6	µg/L	0	GE
		Isophorone	< 10	µg/L	0	WA
		Isophorone	< 10	µg/L	0	WA
		Isophorone	< 10	µg/L	0	WA
		Isophorone	< 10	µg/L	0	WA
•		Isophorone	< 10	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE
		Lead	< 2.0	µg/L	0	WA
		Lead	< 2.0	µg/L	0	WA
		Lead	< 2.0	µg/L	0	WA
		Lead	< 3.0	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
		Lindane	< 0.052	µg/L	0	WA
		Lindane	< 0.052	µg/L	0	WA
•		Lindane	< 10	µg/L	0	GE
•		Lindane	< 10	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	961	µg/L	0	WA
		Magnesium	981	µg/L	0	WA
		Magnesium	967	µg/L	0	WA
		Magnesium	1,120	µg/L	0	GE
		Magnesium	1,130	µg/L	0	GE
		Manganese	1.8	µg/L	0	WA
		Manganese	1.8	µg/L	0	WA
		Manganese	1.8	µg/L	0	WA
		Manganese	< 2.0	µg/L	0	GE
		Manganese	< 2.0	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	WA
		Mercury	< 0.20	µg/L	0	WA
		Mercury	< 0.20	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
		Methoxychlor	< 0.52	µg/L	0	WA
		Methoxychlor	< 0.52	µg/L	0	WA
•		Methoxychlor	< 0.50	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE

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WELL BGO 2D collected on 02/14/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
		N-Nitrosodimethylamine	< 10	µg/L	0	WA
		N-Nitrosodimethylamine	< 10	µg/L	0	WA
		N-Nitrosodimethylamine	< 10	µg/L	0	WA
		N-Nitrosodimethylamine	< 10	µg/L	0	WA
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
		N-Nitrosodiphenylamine	< 10	µg/L	0	WA
		N-Nitrosodiphenylamine	< 10	µg/L	0	WA
		N-Nitrosodiphenylamine	< 10	µg/L	0	WA
		N-Nitrosodiphenylamine	< 10	µg/L	0	WA
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
		N-Nitrosodi-propylamine	< 10	µg/L	0	WA
		N-Nitrosodi-propylamine	< 10	µg/L	0	WA
		N-Nitrosodi-propylamine	< 10	µg/L	0	WA
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
		Naphthalene	< 10	µg/L	0	WA
		Naphthalene	< 10	µg/L	0	WA
		Naphthalene	< 10	µg/L	0	WA
		Naphthalene	< 10	µg/L	0	WA
•		Naphthalene	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 3.1	µg/L	0	WA
		Nickel	< 3.1	µg/L	0	WA
		Nickel	< 3.1	µg/L	0	WA
		Nickel	< 4.0	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	2,910	µg/L	0	WA
		Nitrate as nitrogen	2,900	µg/L	0	WA
•		Nitrate as nitrogen	2,500	µg/L	0	GE
•		Nitrate as nitrogen	2,580	µg/L	0	GE
•		Nitrate as nitrogen	2,440	µg/L	0	GE
		Nitrobenzene	< 10	µg/L	0	WA
		Nitrobenzene	< 10	µg/L	0	WA
		Nitrobenzene	< 10	µg/L	0	WA
		Nitrobenzene	< 10	µg/L	0	WA
•		Nitrobenzene	< 10	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
		2-Nitrophenol	< 10	µg/L	0	WA
		2-Nitrophenol	< 10	µg/L	0	WA
		2-Nitrophenol	< 10	µg/L	0	WA
		2-Nitrophenol	< 10	µg/L	0	WA
•		2-Nitrophenol	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
		4-Nitrophenol	< 50	µg/L	0	WA
		4-Nitrophenol	< 50	µg/L	0	WA
		4-Nitrophenol	< 50	µg/L	0	WA
•		4-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE

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WELL BGO 2D collected on 02/14/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
		Pentachlorophenol	< 50	µg/L	0	WA
		Pentachlorophenol	< 50	µg/L	0	WA
		Pentachlorophenol	< 50	µg/L	0	WA
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
		Phenanthrene	< 10	µg/L	0	WA
		Phenanthrene	< 10	µg/L	0	WA
		Phenanthrene	< 10	µg/L	0	WA
		Phenanthrene	< 10	µg/L	0	WA
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
		Phenol	< 10	µg/L	0	WA
		Phenol	< 10	µg/L	0	WA
		Phenol	< 10	µg/L	0	WA
•		Phenol	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	5.1	µg/L	0	WA
		Phenols	< 5.0	µg/L	0	WA
		Phenols	< 5.0	µg/L	0	WA
		Phenols	< 5.0	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	163	µg/L	0	WA
		Potassium	267	µg/L	0	WA
		Potassium	170	µg/L	0	WA
		Potassium	< 500	µg/L	0	GE
		Potassium	< 500	µg/L	0	GE
		Pyrene	< 10	µg/L	0	WA
		Pyrene	< 10	µg/L	0	WA
		Pyrene	< 10	µg/L	0	WA
•		Pyrene	< 10	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	WA
		Selenium	< 2.0	µg/L	0	WA
		Selenium	< 2.0	µg/L	0	WA
		Selenium	< 2.0	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	6,460	µg/L	0	GE
		Silica	6,480	µg/L	0	GE
		Silicon	2,760	µg/L	0	WA
		Silicon	2,810	µg/L	0	WA
		Silicon	2,750	µg/L	0	WA
		Silver	< 0.70	µg/L	0	WA
		Silver	< 0.70	µg/L	0	WA
		Silver	< 0.70	µg/L	0	WA
		Silver	< 2.0	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE

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WELL BGO 2D collected on 02/14/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Sodium	2,230	µg/L	0	WA
		Sodium	2,230	µg/L	0	WA
		Sodium	2,220	µg/L	0	WA
		Sodium	2,700	µg/L	0	GE
		Sodium	2,720	µg/L	0	GE
		Sulfate	<2,500	µg/L	0	WA
		Sulfate	<2,500	µg/L	0	WA
		Sulfate	3,100	µg/L	0	GE
		Sulfate	2,560	µg/L	0	GE
		Sulfate	3,090	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<5.0	µg/L	0	WA
		Tetrachloroethylene	<5.0	µg/L	0	WA
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	2.8	µg/L	0	WA
		Tin	3.5	µg/L	0	WA
		Tin	<1.9	µg/L	0	WA
		Tin	<2.0	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	WA
		Toluene	<5.0	µg/L	0	WA
		Toluene	<1.0	µg/L	0	WA
		Toluene	<5.0	µg/L	0	WA
		Toluene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	12,000	µg/L	0	WA
		Total dissolved solids	11,000	µg/L	0	WA
		Total dissolved solids	11,000	µg/L	0	WA
		Total dissolved solids	30,000	µg/L	0	GE
		Total dissolved solids	29,000	µg/L	0	GE
		Total dissolved solids	30,000	µg/L	0	GE
		Total organic carbon	521	µg/L	0	WA
		Total organic carbon	521	µg/L	0	WA
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	44	µg/L	1	WA
		Total organic halogens	<5.0	µg/L	0	WA
		Total organic halogens	16	µg/L	0	GE
		Total organic halogens	16	µg/L	0	GE
		Total phosphates (as P)	23	µg/L	0	WA
		Total phosphates (as P)	<20	µg/L	0	WA
		Total phosphates (as P)	23	µg/L	0	WA
		Total phosphates (as P)	<50	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<1.0	µg/L	0	WA
		Toxaphene	<1.0	µg/L	0	WA
●		Toxaphene	<10	µg/L	0	GE
●		Toxaphene	<10	µg/L	0	GE
●		Toxaphene	<0.24	µg/L	0	GE
●		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.53	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52	µg/L	0	WA

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WELL BGO 2D collected on 02/14/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,2,4-Trichlorobenzene	<10	µg/L	0	WA
		1,2,4-Trichlorobenzene	<10	µg/L	0	WA
		1,2,4-Trichlorobenzene	<10	µg/L	0	WA
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	µg/L	0	WA
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<5.0	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	µg/L	0	WA
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<5.0	µg/L	0	WA
		Trichloroethylene	<5.0	µg/L	0	WA
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<5.0	µg/L	0	WA
		Trichlorofluoromethane	<5.0	µg/L	0	WA
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		2,4,6-Trichlorophenol	<10	µg/L	0	WA
		2,4,6-Trichlorophenol	<10	µg/L	0	WA
		2,4,6-Trichlorophenol	<10	µg/L	0	WA
		2,4,6-Trichlorophenol	<10	µg/L	0	WA
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<0.88	µg/L	0	WA
		Vanadium	<0.88	µg/L	0	WA
		Vanadium	<0.88	µg/L	0	WA
		Vanadium	<8.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	WA
		Xylenes	<2.0	µg/L	0	WA
		Xylenes	<2.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Gross alpha	3.0E+00 ± 1.5E+00	pCi/L	0	BA
		Gross alpha	1.9E+00 ± 1.3E+00	pCi/L	0	BA
		Gross alpha	3.0E+00 ± 4.9E-01	pCi/L	0	GE
		Gross alpha	2.8E+00 ± 4.7E-01	pCi/L	0	GE
		Nonvolatile beta	4.1E+00 ± 1.8E+00	pCi/L	0	BA
		Nonvolatile beta	3.6E+00 ± 1.7E+00	pCi/L	0	BA
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	2.1E+00 ± 5.8E-01	pCi/L	0	GE
		Radium-226	1.1E+00 ± 6.0E-01	pCi/L	0	BA
		Radium-226	1.0E+00 ± 5.0E-01	pCi/L	0	BA
		Radium-228	3.0E-01 ± 2.0E+00	pCi/L	0	BA
		Radium-228	6.0E-01 ± 2.0E+00	pCi/L	0	BA
		Total alpha-emitting radium	2.7E+00 ± 5.0E-01	pCi/L	1	GE
		Total alpha-emitting radium	2.8E+00 ± 5.0E-01	pCi/L	1	GE
		Tritium	1.8E+01 ± 6.0E-01	pCi/mL	1	BA
		Tritium	1.8E+01 ± 6.0E-01	pCi/mL	1	BA
		Tritium	1.9E+01 ± 7.0E-01	pCi/mL	1	BA
		Tritium	1.9E+01 ± 7.0E-01	pCi/mL	1	BA

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WELL BGO 2D collected on 02/14/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
■		Tritium	2.1E+01 ± 4.0E-01	pCi/mL	2	GE
■		Tritium	2.0E+01 ± 4.0E-01	pCi/mL	2	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

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

FIELD MEASUREMENTS

Sample date: 02/28/92
 Depth to water: 57.32 ft (17.47 m) below TOC
 Water elevation: 235.38 ft (71.74 m) msl
 Sp. conductance: 48 µS/cm
 Water evacuated before sampling: 4 gal
 The well went dry during purging.

Time: 14:40
 pH: 4.4
 Alkalinity: 0 mg/L
 Water temperature: 16.0°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	4.1	pH	0	GE
		Specific conductance	45	µS/cm	0	GE
•		Turbidity	38	NTU	0	GE
		Acenaphthene	< 10	µg/L	0	GE
		Acenaphthylene	< 10	µg/L	0	GE
		Acetophenone	< 10	µg/L	0	GE
		Aldrin	< 10	µg/L	0	GE
		Aluminum	186	µg/L	1	GE
		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	6.4	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		alpha-Benzene hexachloride	< 10	µg/L	0	GE
		beta-Benzene hexachloride	< 10	µg/L	0	GE
		delta-Benzene hexachloride	< 10	µg/L	0	GE
		Berzidine	< 10	µg/L	0	GE
		Benzo[a]anthracene	< 10	µg/L	0	GE
		Benzo[a]pyrene	< 10	µg/L	0	GE
		Benzo[b]fluoranthene	< 10	µg/L	0	GE
		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
		Benzo[k]fluoranthene	< 10	µg/L	0	GE
		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 3D collected on 02/28/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	31	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chlordane	<10	µg/L	0	GE
		Chloride	4,070	µg/L	0	GE
		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		2-Chloronaphthalene	<10	µg/L	0	GE
		2-Chlorophenol	<10	µg/L	0	GE
		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chrysene	<10	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		p,p'-DDD	<10	µg/L	0	GE
		p,p'-DDE	<10	µg/L	0	GE
		p,p'-DDT	<10	µg/L	0	GE
		Di-n-butyl phthalate	<10	µg/L	0	GE
		Di-n-octyl phthalate	<10	µg/L	0	GE
		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.1	µg/L	0	GE
		2,4-Dichlorophenol	<10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Dieldrin	<10	µg/L	0	GE
		Diethyl phthalate	<10	µg/L	0	GE
		2,4-Dimethyl phenol	<10	µg/L	0	GE
		Dimethyl phthalate	<10	µg/L	0	GE
		2,4-Dinitrophenol	<45	µg/L	0	GE
		2,4-Dinitrotoluene	<10	µg/L	0	GE
		2,6-Dinitrotoluene	<10	µg/L	0	GE
		1,2-Diphenylhydrazine	<10	µg/L	0	GE
		Endosulfan I	<10	µg/L	0	GE
		Endosulfan II	<10	µg/L	0	GE
		Endosulfan sulfate	<10	µg/L	0	GE
		Endrin	<10	µg/L	0	GE
•		Endrin	<0.0060	µg/L	0	GE
		Endrin aldehyde	<10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 3D collected on 02/28/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoranthene	<10	µg/L	0	GE
		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Heptachlor	<10	µg/L	0	GE
		Heptachlor epoxide	<10	µg/L	0	GE
		Hexachlorobenzene	<10	µg/L	0	GE
		Hexachlorobutadiene	<10	µg/L	0	GE
		Hexachlorocyclopentadiene	<10	µg/L	0	GE
		Hexachloroethane	<10	µg/L	0	GE
		Indenol 1,2,3-c,Øpyrene	<10	µg/L	0	GE
		Iron	6.8	µg/L	0	GE
		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<10	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
		Magnesium	383	µg/L	0	GE
		Manganese	15	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
		N-Nitrosodimethylamine	<10	µg/L	0	GE
		N-Nitrosodiphenylamine	<10	µg/L	0	GE
		N-Nitrosodi-propylamine	<10	µg/L	0	GE
		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	2,280	µg/L	0	GE
		Nitrobenzene	<10	µg/L	0	GE
		2-Nitrophenol	<10	µg/L	0	GE
		4-Nitrophenol	<10	µg/L	0	GE
		PCB 1016	<150	µg/L	0	GE
		PCB 1221	<150	µg/L	0	GE
		PCB 1232	<150	µg/L	0	GE
		PCB 1242	<150	µg/L	0	GE
		PCB 1248	<150	µg/L	0	GE
		PCB 1254	<150	µg/L	0	GE
		PCB 1260	<150	µg/L	0	GE
		Pentachlorophenol	<10	µg/L	0	GE
		Phenanthrene	<10	µg/L	0	GE
		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	6,350	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	4,320	µg/L	0	GE
		Sulfate	3,800	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	24,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	46	µg/L	1	GE
		Total phosphates (as P)	150	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 3D collected on 02/28/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Toxaphene	< 10	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	5.6E+00 ± 6.7E-01	pCi/L	0	GE
		Nonvolatile beta	4.6E+00 ± 6.7E-01	pCi/L	0	GE
		Total alpha-emitting radium	3.7E+00 ± 5.0E-01	pCi/L	1	GE
■		Tritium	3.2E+01 ± 5.0E-01	pCi/mL	2	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 4D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N76150.1 E58803.7	33.290140 °N 81.659878 °W	240.6-220.6 ft msl	297.5 ft msl	4" PVC	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/30/92 Time: 9:25
Inaccessibility or pump failure prevented sample collection.

WELL BGO 5C

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

FIELD MEASUREMENTS

Sample date: 01/30/92 Time: 9:30
Inaccessibility or pump failure prevented sample collection.

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 5C

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

FIELD MEASUREMENTS

Sample date: 02/28/92
 Depth to water: 79.49 ft (24.23 m) below TOC
 Water elevation: 216.61 ft (66.02 m) msl
 Sp. conductance: 68 μ S/cm
 Water evacuated before sampling: 17 gal
 The well went dry during purging.

Time: 9:30
 pH: 6.2
 Alkalinity: 21 mg/L
 Water temperature: 18.7°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	6.3	pH	0	GE
		Specific conductance	60	μ S/cm	0	GE
•		Turbidity	17	NTU	0	GE
		Acenaphthene	<10	μ g/L	0	GE
		Acenaphthylene	<10	μ g/L	0	GE
		Acetophenone	<10	μ g/L	0	GE
		Aldrin	<10	μ g/L	0	GE
		Aluminum	<20	μ g/L	0	GE
		Anthracene	<10	μ g/L	0	GE
		Antimony	<2.0	μ g/L	0	GE
		Arsenic	<2.0	μ g/L	0	GE
		Barium	8.0	μ g/L	0	GE
		Benzene	<1.0	μ g/L	0	GE
		alpha-Benzene hexachloride	<10	μ g/L	0	GE
		beta-Benzene hexachloride	<10	μ g/L	0	GE
		delta-Benzene hexachloride	<10	μ g/L	0	GE
		Benzidine	<10	μ g/L	0	GE
		Benzo[a]anthracene	<10	μ g/L	0	GE
		Benzo[a]pyrene	<10	μ g/L	0	GE
		Benzo[b]fluoranthene	<10	μ g/L	0	GE
		Benzo[g,h,i]perylene	<10	μ g/L	0	GE
		Benzo[k]fluoranthene	<10	μ g/L	0	GE
		Bis(2-chloroethoxy) methane	<10	μ g/L	0	GE
		Bis(2-chloroethyl) ether	<10	μ g/L	0	GE
		Bis(2-chloroisopropyl) ether	<10	μ g/L	0	GE
		Bis(2-ethylhexyl) phthalate	<10	μ g/L	0	GE
		Bromodichloromethane	<1.0	μ g/L	0	GE
		Bromoform	<1.0	μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	μ g/L	0	GE
		4-Bromophenyl phenyl ether	<10	μ g/L	0	GE
		Butylbenzyl phthalate	<10	μ g/L	0	GE
		Cadmium	<2.0	μ g/L	0	GE
		Calcium	5,120	μ g/L	0	GE
		Carbon tetrachloride	<1.0	μ g/L	0	GE
		Chlordane	<10	μ g/L	0	GE
		Chloride	1,880	μ g/L	0	GE
		para-Chloro-meta-cresol	<10	μ g/L	0	GE
		Chlorobenzene	<1.0	μ g/L	0	GE
		Chloroethane	<1.0	μ g/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 5C collected on 02/28/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		2-Chloronaphthalene	<10	µg/L	0	GE
		2-Chlorophenol	<10	µg/L	0	GE
		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chrysene	<10	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		p,p'-DDD	<10	µg/L	0	GE
		p,p'-DDE	<10	µg/L	0	GE
		p,p'-DDT	<10	µg/L	0	GE
		Di-n-butyl phthalate	<10	µg/L	0	GE
		Di-n-octyl phthalate	<10	µg/L	0	GE
		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	3.0	µg/L	0	GE
		2,4-Dichlorophenol	<10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Dieldrin	<10	µg/L	0	GE
		Diethyl phthalate	<10	µg/L	0	GE
		2,4-Dimethyl phenol	<10	µg/L	0	GE
		Dimethyl phthalate	<10	µg/L	0	GE
		2,4-Dinitrophenol	<45	µg/L	0	GE
		2,4-Dinitrotoluene	<10	µg/L	0	GE
		2,6-Dinitrotoluene	<10	µg/L	0	GE
		1,2-Diphenylhydrazine	<10	µg/L	0	GE
		Endosulfan I	<10	µg/L	0	GE
		Endosulfan II	<10	µg/L	0	GE
		Endosulfan sulfate	<10	µg/L	0	GE
		Endrin	<10	µg/L	0	GE
•		Endrin	<0.0060	µg/L	0	GE
		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoranthene	<10	µg/L	0	GE
		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Heptachlor	<10	µg/L	0	GE
		Heptachlor epoxide	<10	µg/L	0	GE
		Hexachlorobenzene	<10	µg/L	0	GE
		Hexachlorobutadiene	<10	µg/L	0	GE
		Hexachlorocyclopentadiene	<10	µg/L	0	GE
		Hexachloroethane	<10	µg/L	0	GE
		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	431	µg/L	2	GE
		Isophorone	<10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 5C collected on 02/28/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Lead	< 3.0	µg/L	0	GE
		Lindane	< 10	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	398	µg/L	0	GE
		Manganese	19	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
		N-Nitrosodimethylamine	< 10	µg/L	0	GE
		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
		Naphthalene	< 10	µg/L	0	GE
		Nickel	4.7	µg/L	0	GE
		Nitrate as nitrogen	1,060	µg/L	0	GE
		Nitrobenzene	< 10	µg/L	0	GE
		2-Nitrophenol	< 10	µg/L	0	GE
		4-Nitrophenol	< 10	µg/L	0	GE
		PCB 1016	< 150	µg/L	0	GE
		PCB 1221	< 150	µg/L	0	GE
		PCB 1232	< 150	µg/L	0	GE
		PCB 1242	< 150	µg/L	0	GE
		PCB 1248	< 150	µg/L	0	GE
		PCB 1254	< 150	µg/L	0	GE
		PCB 1260	< 150	µg/L	0	GE
		Pentachlorophenol	< 10	µg/L	0	GE
		Phenanthrene	< 10	µg/L	0	GE
		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	< 500	µg/L	0	GE
		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	13,700	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	1,940	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	46,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	8.2	µg/L	0	GE
		Total phosphates (as P)	280	µg/L	0	GE
		Toxaphene	< 10	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	4.0E + 00 ± 6.2E-01	pCi/L	0	GE
		Nonvolatile beta	6.1E + 00 ± 7.0E-01	pCi/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 5C collected on 02/28/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Total alpha-emitting radium	2.2E+00 ± 4.0E-01	pCi/L	0	GE
	■	Tritium	3.0E+01 ± 5.0E-01	pCi/mL	2	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 5D

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

FIELD MEASUREMENTS

Sample date: 01/30/92 Time: 9:35
Inaccessibility or pump failure prevented sample collection.

WELL BGO 5D

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

FIELD MEASUREMENTS

Sample date: 02/28/92 Time: 9:45
Depth to water: 65.50 ft (19.96 m) below TOC pH: 4.3
Water elevation: 230.80 ft (70.35 m) msl Alkalinity: 0 mg/L
Sp. conductance: 41 µS/cm Water temperature: 18.7°C
Water evacuated before sampling: 5 gal
The well went dry during purging.

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	4.6	pH	0	GE
		Specific conductance	40	µS/cm	0	GE
•		Turbidity	127	NTU	0	GE
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	47	µg/L	0	GE
•		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	46	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 5D collected on 02/28/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		beta-Benzene hexachloride	< 10	µg/L	0	GE
•		delta-Benzene hexachloride	< 10	µg/L	0	GE
•		Benzidine	< 10	µg/L	0	GE
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	879	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	3,520	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	5.2	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.9	µg/L	0	GE
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 5D collected on 02/28/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<0.0060	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
•		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
•		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
•		Iron	4.7	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
•		Lead	<3.0	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
•		Lindane	<10	µg/L	0	GE
•		Magnesium	902	µg/L	0	GE
•		Manganese	31	µg/L	1	GE
•		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
•		Nickel	<4.0	µg/L	0	GE
•		Nitrate as nitrogen	2,020	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE
•		PCB 1260	<150	µg/L	0	GE
•		Pentachlorophenol	<10	µg/L	0	GE
•		Phenanthrene	<10	µg/L	0	GE
•		Phenol	<10	µg/L	0	GE
•		Phenols	<5.0	µg/L	0	GE
•		Potassium	<500	µg/L	0	GE
•		Pyrene	<10	µg/L	0	GE
•		Selenium	<2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 5D collected on 02/28/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Silica	7,150	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	3,320	µg/L	0	GE
		Sulfate	1,930	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
	■	Tetrachloroethylene	7.4	µg/L	2	GE
		Tin	2.6	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	29,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	72	µg/L	2	GE
		Total phosphates (as P)	<50	µg/L	0	GE
●		Toxaphene	<0.24	µg/L	0	GE
●		Toxaphene	<10	µg/L	0	GE
●		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
●		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
	■	Trichloroethylene	7.4	µg/L	2	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
●		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Gross alpha	5.3E+00 ± 6.3E-01	pCi/L	0	GE
		Nonvolatile beta	3.8E+00 ± 5.7E-01	pCi/L	0	GE
		Total alpha-emitting radium	4.5E+00 ± 5.0E-01	pCi/L	1	GE
		Tritium	<7.0E-01	pCi/mL	0	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE

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>Formation</u>
N76487.2	33.290091 °N	117.5-107.5 ft msl	285.6 ft msl		Congaree (IIA)
E58316.8	81.661815 °W				

FIELD MEASUREMENTS

Sample date: 01/16/92
 Depth to water: 125.65 ft (38.30 m) below TOC
 Water elevation: 159.95 ft (48.75 m) msl
 Sp. conductance: 306 µS/cm
 Water evacuated before sampling: 138 gal

Time: 9:15
 pH: 7.7
 Alkalinity: 133 mg/L
 Water temperature: 17.8°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
●		pH	7.7	pH	0	GE
		Specific conductance	309	µS/cm	1	GE
		Turbidity	0.52	NTU	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 6A collected on 01/16/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Acenaphthene	<10	µg/L	0	GE
•		Acenaphthylene	<10	µg/L	0	GE
•		Acetophenone	<10	µg/L	0	GE
•		Aldrin	<10	µg/L	0	GE
		Aluminum	<20	µg/L	0	GE
•		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	2.7	µg/L	0	GE
		Barium	45	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		Benzidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	59,200	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	2,720	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 6A collected on 01/16/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	55	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
•		Lindane	<10	µg/L	0	GE
		Magnesium	1,490	µg/L	0	GE
		Manganese	4.4	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 6A collected on 01/16/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE
•		PCB 1260	<150	µg/L	0	GE
•		Pentachlorophenol	<10	µg/L	0	GE
•		Phenanthrene	<10	µg/L	0	GE
•		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	660	µg/L	0	GE
•		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	45,500	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,210	µg/L	0	GE
		Sulfate	7,380	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	2.8	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
•		Total dissolved solids	208,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<10	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 6C

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

FIELD MEASUREMENTS

Sample date: 01/16/92
 Depth to water: 64.67 ft (19.71 m) below TOC
 Water elevation: 220.93 ft (67.34 m) msl
 Sp. conductance: 136 μ S/cm
 Water evacuated before sampling: 165 gal

Time: 9:35
 pH: 7.5
 Alkalinity: 53 mg/L
 Water temperature: 17.1°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	7.6	pH	0	GE
		Specific conductance	140	μ S/cm	0	GE
•		Turbidity	0.17	NTU	0	GE
•		Acenaphthene	<10	μ g/L	0	GE
•		Acenaphthylene	<10	μ g/L	0	GE
•		Acetophenone	<10	μ g/L	0	GE
•		Aldrin	<10	μ g/L	0	GE
		Aluminum	<20	μ g/L	0	GE
•		Anthracene	<10	μ g/L	0	GE
		Antimony	<2.0	μ g/L	0	GE
		Arsenic	<2.0	μ g/L	0	GE
		Barium	11	μ g/L	0	GE
		Benzene	<1.0	μ g/L	0	GE
•		alpha-Benzene hexachloride	<10	μ g/L	0	GE
•		beta-Benzene hexachloride	<10	μ g/L	0	GE
•		delta-Benzene hexachloride	<10	μ g/L	0	GE
•		Benzidine	<10	μ g/L	0	GE
•		Benzo[a]anthracene	<10	μ g/L	0	GE
•		Benzo[a]pyrene	<10	μ g/L	0	GE
•		Benzo[b]fluoranthene	<10	μ g/L	0	GE
•		Benzo[g,h,i]perylene	<10	μ g/L	0	GE
•		Benzo[k]fluoranthene	<10	μ g/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	μ g/L	0	GE
•		Bis(2-chloroethyl) ether	<10	μ g/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	μ g/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	μ g/L	0	GE
		Bromodichloromethane	<1.0	μ g/L	0	GE
		Bromoform	<1.0	μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	μ g/L	0	GE
•		4-Bromophenyl phenyl ether	<10	μ g/L	0	GE
•		Butylbenzyl phthalate	<10	μ g/L	0	GE
		Cadmium	<2.0	μ g/L	0	GE
		Calcium	23,000	μ g/L	0	GE
		Carbon tetrachloride	<1.0	μ g/L	0	GE
•		Chlordane	<10	μ g/L	0	GE
		Chloride	2,140	μ g/L	0	GE
•		para-Chloro-meta-cresol	<10	μ g/L	0	GE
		Chlorobenzene	<1.0	μ g/L	0	GE
		Chloroethane	<1.0	μ g/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 6C collected on 01/16/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	3.0	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 6C collected on 01/16/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Lindane	< 10	µg/L	0	GE
		Magnesium	508	µg/L	0	GE
		Manganese	< 2.0	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	980	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	< 500	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	12,000	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	1,980	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	77,000	µg/L	0	GE
•		Total dissolved solids	79,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	13	µg/L	0	GE
		Total phosphates (as P)	50	µg/L	0	GE
		Total phosphates (as P)	50	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	< 2.0E + 00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E + 00	pCi/L	0	GE

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WELL BGO 6C collected on 01/16/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
	■	Tritium	7.7E+02 ± 2.2E+00	pCi/mL	2	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

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

FIELD MEASUREMENTS

Sample date: 01/16/92
 Depth to water: 53.99 ft (16.46 m) below TOC
 Water elevation: 231.51 ft (70.57 m) msl
 Sp. conductance: 120 µS/cm
 Water evacuated before sampling: 7 gal
 The well went dry during purging.

Time: 9:50
 pH: 6.6
 Alkalinity: 47 mg/L
 Water temperature: 16.8°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	7.1	pH	0	GE
		Specific conductance	90	µS/cm	0	GE
•		Turbidity	28	NTU	0	GE
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	< 20	µg/L	0	GE
•		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	25	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	< 10	µg/L	0	GE
•		beta-Benzene hexachloride	< 10	µg/L	0	GE
•		delta-Benzene hexachloride	< 10	µg/L	0	GE
•		Benzidine	< 10	µg/L	0	GE
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 6D collected on 01/16/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	17,600	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	1,870	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	2.4	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.8	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 6D collected on 01/16/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
•		Iron	< 4.0	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE
•		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 10	µg/L	0	GE
		Magnesium	971	µg/L	0	GE
		Manganese	9.1	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	450	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	948	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	9,820	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	2,810	µg/L	0	GE
		Sulfate	1,630	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	1.4	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	80,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	66	µg/L	2	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	1.3	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 6D collected on 01/16/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
■		Trichloroethylene	11	µg/L	2	GE
		Trichlorofluoromethane	3.3	µg/L	0	GE
●		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
■		Tritium	7.8E+02 ± 2.2E+00	pCi/mL	2	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE

WELL BGO 7D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N76494.5	33.289455 °N	240.2-220.2 ft msl	287.0 ft msl	4" PVC	Water Table (IIB ₂)
E57917.2	81.662882 °W				

FIELD MEASUREMENTS

Sample date: 01/16/92
 Depth to water: 55.19 ft (16.82 m) below TOC
 Water elevation: 231.81 ft (70.66 m) msl
 Sp. conductance: 32 µS/cm
 Water evacuated before sampling: 31 gal

Time: 10:25
 pH: 5.0
 Alkalinity: 0 mg/L
 Water temperature: 17.7°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
●		pH	5.2	pH	0	GE
		Specific conductance	32	µS/cm	0	GE
●		Turbidity	0.51	NTU	0	GE
●		Acenaphthene	<10	µg/L	0	GE
●		Acenaphthylene	<10	µg/L	0	GE
●		Acetophenone	<10	µg/L	0	GE
●		Aldrin	<10	µg/L	0	GE
		Aluminum	23	µg/L	0	GE
●		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	7.8	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
●		alpha-Benzene hexachloride	<10	µg/L	0	GE
●		beta-Benzene hexachloride	<10	µg/L	0	GE
●		delta-Benzene hexachloride	<10	µg/L	0	GE
●		Benzidine	<10	µg/L	0	GE
●		Benzo[a]anthracene	<10	µg/L	0	GE
●		Benzo[a]pyrene	<10	µg/L	0	GE
●		Benzo[b]fluoranthene	<10	µg/L	0	GE
●		Benzo[g,h,i]perylene	<10	µg/L	0	GE
●		Benzo[k]fluoranthene	<10	µg/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 7D collected on 01/16/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	907	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	2,670	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	9.1	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	4.1	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	4.2	µg/L	1	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	6.7	µg/L	0	GE
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE

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WELL BGO 7D collected on 01/16/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	33	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 10	µg/L	0	GE
		Magnesium	616	µg/L	0	GE
		Manganese	11	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	1,100	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	< 500	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	9,680	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	2,420	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	1.1	µg/L	0	GE
•		Total dissolved solids	27,000	µg/L	0	GE

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WELL BGO 7D collected on 01/16/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	185	µg/L	2	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	1.8	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
■		Trichloroethylene	174	µg/L	2	GE
		Trichlorofluoromethane	2.2	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.1E+00 ± 3.0E-01	pCi/L	0	GE
■		Tritium	7.6E+02 ± 2.2E+00	pCi/mL	2	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 8AR

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

FIELD MEASUREMENTS

Sample date: 02/28/92
 Depth to water: 125.34 ft (38.20 m) below TOC
 Water elevation: 161.26 ft (49.15 m) msl
 Sp. conductance: 240 µS/cm
 Water evacuated before sampling: 175 gal

Time: 10:45
 pH: 7.7
 Alkalinity: 102 mg/L
 Water temperature: 18.8°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	7.5	pH	0	WA
•		pH	7.5	pH	0	WA
•		pH	7.3	pH	0	GE
•		pH	7.3	pH	0	GE
		Specific conductance	212	µS/cm	0	WA
		Specific conductance	213	µS/cm	0	WA
		Specific conductance	216	µS/cm	0	WA
		Specific conductance	225	µS/cm	0	GE
		Specific conductance	230	µS/cm	0	GE
		Turbidity	0.37	NTU	0	WA
		Turbidity	0.37	NTU	0	WA
		Turbidity	0.45	NTU	0	WA
•		Turbidity	1.0	NTU	0	GE
•		Turbidity	1.2	NTU	0	GE

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WELL BGO 8AR collected on 02/28/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Acenaphthene	<11	µg/L	0	WA
		Acenaphthene	<11	µg/L	0	WA
		Acenaphthene	<11	µg/L	0	WA
•		Acenaphthene	<10	µg/L	0	GE
•		Acenaphthene	<10	µg/L	0	GE
		Acenaphthylene	<11	µg/L	0	WA
		Acenaphthylene	<11	µg/L	0	WA
		Acenaphthylene	<11	µg/L	0	WA
		Acenaphthylene	<11	µg/L	0	WA
•		Acenaphthylene	<10	µg/L	0	GE
•		Acenaphthylene	<10	µg/L	0	GE
•		Acetophenone	<10	µg/L	0	GE
•		Acetophenone	<10	µg/L	0	GE
•		Aldrin	<10	µg/L	0	GE
•		Aldrin	<10	µg/L	0	GE
		Aluminum	23	µg/L	0	WA
		Aluminum	20	µg/L	0	WA
		Aluminum	<14	µg/L	0	WA
		Aluminum	<20	µg/L	0	GE
		Aluminum	<20	µg/L	0	GE
		Anthracene	<11	µg/L	0	WA
		Anthracene	<11	µg/L	0	WA
		Anthracene	<11	µg/L	0	WA
		Anthracene	<11	µg/L	0	WA
•		Anthracene	<10	µg/L	0	GE
•		Anthracene	<10	µg/L	0	GE
		Antimony	<2.6	µg/L	0	WA
		Antimony	<2.6	µg/L	0	WA
		Antimony	<2.6	µg/L	0	WA
		Antimony	<2.0	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	2.0	µg/L	0	WA
		Arsenic	2.0	µg/L	0	WA
		Arsenic	2.4	µg/L	0	WA
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	32	µg/L	0	WA
		Barium	34	µg/L	0	WA
		Barium	34	µg/L	0	WA
		Barium	35	µg/L	0	GE
		Barium	35	µg/L	0	GE
		Benzene	<5.0	µg/L	0	WA
		Benzene	<5.0	µg/L	0	WA
		Benzene	<1.0	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
		Benzidine	<55	µg/L	0	WA
		Benzidine	<55	µg/L	0	WA
		Benzidine	<55	µg/L	0	WA
		Benzidine	<55	µg/L	0	WA
•		Benzidine	<10	µg/L	0	GE

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WELL BGO 8AR collected on 02/28/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Benzidine	<10	µg/L	0	GE
		Benzo[a]anthracene	<11	µg/L	0	WA
		Benzo[a]anthracene	<11	µg/L	0	WA
		Benzo[a]anthracene	<11	µg/L	0	WA
		Benzo[a]anthracene	<11	µg/L	0	WA
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
		Benzo[a]pyrene	<11	µg/L	0	WA
		Benzo[a]pyrene	<11	µg/L	0	WA
		Benzo[a]pyrene	<11	µg/L	0	WA
		Benzo[a]pyrene	<11	µg/L	0	WA
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
		Benzo[b]fluoranthene	<11	µg/L	0	WA
		Benzo[b]fluoranthene	<11	µg/L	0	WA
		Benzo[b]fluoranthene	<11	µg/L	0	WA
		Benzo[b]fluoranthene	<11	µg/L	0	WA
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
		Benzo[g,h,i]perylene	<11	µg/L	0	WA
		Benzo[g,h,i]perylene	<11	µg/L	0	WA
		Benzo[g,h,i]perylene	<11	µg/L	0	WA
		Benzo[g,h,i]perylene	<11	µg/L	0	WA
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
		Benzo[k]fluoranthene	<11	µg/L	0	WA
		Benzo[k]fluoranthene	<11	µg/L	0	WA
		Benzo[k]fluoranthene	<11	µg/L	0	WA
		Benzo[k]fluoranthene	<11	µg/L	0	WA
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
		Bis(2-chloroethoxy) methane	<11	µg/L	0	WA
		Bis(2-chloroethoxy) methane	<11	µg/L	0	WA
		Bis(2-chloroethoxy) methane	<11	µg/L	0	WA
		Bis(2-chloroethoxy) methane	<11	µg/L	0	WA
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
		Bis(2-chloroethyl) ether	<11	µg/L	0	WA
		Bis(2-chloroethyl) ether	<11	µg/L	0	WA
		Bis(2-chloroethyl) ether	<11	µg/L	0	WA
		Bis(2-chloroethyl) ether	<11	µg/L	0	WA
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
		Bis(2-chloroisopropyl) ether	<11	µg/L	0	WA
		Bis(2-chloroisopropyl) ether	<11	µg/L	0	WA
		Bis(2-chloroisopropyl) ether	<11	µg/L	0	WA
		Bis(2-chloroisopropyl) ether	<11	µg/L	0	WA
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	2.1	µg/L	0	WA
		Bis(2-ethylhexyl) phthalate	1.3	µg/L	0	WA
		Bis(2-ethylhexyl) phthalate	4.4	µg/L	0	WA
		Bis(2-ethylhexyl) phthalate	1.7	µg/L	0	WA
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<5.0	µg/L	0	WA

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WELL BGO 8AR collected on 02/28/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Bromodichloromethane	<5.0	µg/L	0	WA
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<5.0	µg/L	0	WA
		Bromoform	<5.0	µg/L	0	WA
		Bromoform	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<10	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	µg/L	0	WA
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		4-Bromophenyl phenyl ether	<11	µg/L	0	WA
		4-Bromophenyl phenyl ether	<11	µg/L	0	WA
		4-Bromophenyl phenyl ether	<11	µg/L	0	WA
		4-Bromophenyl phenyl ether	<11	µg/L	0	WA
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
		Butylbenzyl phthalate	<11	µg/L	0	WA
		Butylbenzyl phthalate	<11	µg/L	0	WA
		Butylbenzyl phthalate	<11	µg/L	0	WA
		Butylbenzyl phthalate	<11	µg/L	0	WA
•		Butylbenzyl phthalate	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	0.42	µg/L	0	WA
		Cadmium	<0.35	µg/L	0	WA
		Cadmium	<0.35	µg/L	0	WA
		Cadmium	<2.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	42,900	µg/L	0	WA
		Calcium	45,600	µg/L	0	WA
		Calcium	44,800	µg/L	0	WA
		Calcium	45,600	µg/L	0	GE
		Calcium	44,700	µg/L	0	GE
		Carbon tetrachloride	<5.0	µg/L	0	WA
		Carbon tetrachloride	<5.0	µg/L	0	WA
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	3,280	µg/L	0	WA
		Chloride	3,180	µg/L	0	WA
		Chloride	2,460	µg/L	0	GE
		Chloride	2,470	µg/L	0	GE
		para-Chloro-meta-cresol	<11	µg/L	0	WA
		para-Chloro-meta-cresol	<11	µg/L	0	WA
		para-Chloro-meta-cresol	<11	µg/L	0	WA
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<5.0	µg/L	0	WA
		Chlorobenzene	<5.0	µg/L	0	WA
		Chlorobenzene	<1.0	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<10	µg/L	0	WA
		Chloroethane	<10	µg/L	0	WA
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 8AR collected on 02/28/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroethene (Vinyl chloride)	<10	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<10	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	µg/L	0	WA
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<5.0	µg/L	0	WA
		Chloroform	<5.0	µg/L	0	WA
		Chloroform	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<10	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	µg/L	0	WA
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		2-Chloronaphthalene	<11	µg/L	0	WA
		2-Chloronaphthalene	<11	µg/L	0	WA
		2-Chloronaphthalene	<11	µg/L	0	WA
		2-Chloronaphthalene	<11	µg/L	0	WA
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
		2-Chlorophenol	<11	µg/L	0	WA
		2-Chlorophenol	<11	µg/L	0	WA
		2-Chlorophenol	<11	µg/L	0	WA
•		2-Chlorophenol	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
		4-Chlorophenyl phenyl ether	<11	µg/L	0	WA
		4-Chlorophenyl phenyl ether	<11	µg/L	0	WA
		4-Chlorophenyl phenyl ether	<11	µg/L	0	WA
		4-Chlorophenyl phenyl ether	<11	µg/L	0	WA
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	1.1	µg/L	0	WA
		Chromium	<1.1	µg/L	0	WA
		Chromium	26	µg/L	0	WA
		Chromium	<4.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chrysene	<11	µg/L	0	WA
		Chrysene	<11	µg/L	0	WA
		Chrysene	<11	µg/L	0	WA
		Chrysene	<11	µg/L	0	WA
•		Chrysene	<10	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	<1.1	µg/L	0	WA
		Copper	<1.1	µg/L	0	WA
		Copper	<1.1	µg/L	0	WA
		Copper	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	WA
		Cyanide	<5.0	µg/L	0	WA
		Cyanide	<5.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE

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WELL BGO 8AR collected on 02/28/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
		Di-n-butyl phthalate	1.3	µg/L	0	WA
		Di-n-butyl phthalate	1.2	µg/L	0	WA
		Di-n-butyl phthalate	< 11	µg/L	0	WA
		Di-n-butyl phthalate	1.3	µg/L	0	WA
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
		Di-n-octyl phthalate	< 11	µg/L	0	WA
		Di-n-octyl phthalate	< 11	µg/L	0	WA
		Di-n-octyl phthalate	< 11	µg/L	0	WA
		Di-n-octyl phthalate	< 11	µg/L	0	WA
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
		Dibenz[a,h]anthracene	< 11	µg/L	0	WA
		Dibenz[a,h]anthracene	< 11	µg/L	0	WA
		Dibenz[a,h]anthracene	< 11	µg/L	0	WA
		Dibenz[a,h]anthracene	< 11	µg/L	0	WA
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 5.0	µg/L	0	WA
		Dibromochloromethane	< 5.0	µg/L	0	WA
		Dibromochloromethane	< 1.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,2-Dichlorobenzene	< 11	µg/L	0	WA
		1,2-Dichlorobenzene	< 11	µg/L	0	WA
		1,2-Dichlorobenzene	< 11	µg/L	0	WA
		1,2-Dichlorobenzene	< 11	µg/L	0	WA
		1,3-Dichlorobenzene	< 11	µg/L	0	WA
		1,3-Dichlorobenzene	< 11	µg/L	0	WA
		1,3-Dichlorobenzene	< 11	µg/L	0	WA
		1,3-Dichlorobenzene	< 11	µg/L	0	WA
		1,4-Dichlorobenzene	< 11	µg/L	0	WA
		1,4-Dichlorobenzene	< 11	µg/L	0	WA
		1,4-Dichlorobenzene	< 11	µg/L	0	WA
		3,3'-Dichlorobenzidine	< 22	µg/L	0	WA
		3,3'-Dichlorobenzidine	< 22	µg/L	0	WA
		3,3'-Dichlorobenzidine	< 22	µg/L	0	WA
		3,3'-Dichlorobenzidine	< 22	µg/L	0	WA
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 5.0	µg/L	0	WA
		1,1-Dichloroethane	< 5.0	µg/L	0	WA
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 5.0	µg/L	0	WA
		1,2-Dichloroethane	< 5.0	µg/L	0	WA
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 5.0	µg/L	0	WA
		1,1-Dichloroethylene	< 5.0	µg/L	0	WA
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 5.0	µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0	µg/L	0	WA

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WELL BGO 8AR collected on 02/28/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.7	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	3.3	µg/L	0	GE
		2,4-Dichlorophenol	<11	µg/L	0	WA
		2,4-Dichlorophenol	<11	µg/L	0	WA
		2,4-Dichlorophenol	<11	µg/L	0	WA
		2,4-Dichlorophenol	<11	µg/L	0	WA
•		2,4-Dichlorophenol	<10	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.1	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<2.3	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	µg/L	0	WA
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<5.0	µg/L	0	WA
		1,2-Dichloropropane	<5.0	µg/L	0	WA
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	µg/L	0	WA
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	µg/L	0	WA
•		Dieldrin	<10	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
		Diethyl phthalate	<11	µg/L	0	WA
		Diethyl phthalate	<11	µg/L	0	WA
		Diethyl phthalate	<11	µg/L	0	WA
		Diethyl phthalate	<11	µg/L	0	WA
•		Diethyl phthalate	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
		2,4-Dimethyl phenol	<11	µg/L	0	WA
		2,4-Dimethyl phenol	<11	µg/L	0	WA
		2,4-Dimethyl phenol	<11	µg/L	0	WA
		2,4-Dimethyl phenol	<11	µg/L	0	WA
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
		Dimethyl phthalate	<11	µg/L	0	WA
		Dimethyl phthalate	<11	µg/L	0	WA
		Dimethyl phthalate	<11	µg/L	0	WA
		Dimethyl phthalate	<11	µg/L	0	WA
•		Dimethyl phthalate	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
		4,6-Dinitro-ortho-cresol	<55	µg/L	0	WA
		4,6-Dinitro-ortho-cresol	<55	µg/L	0	WA
		4,6-Dinitro-ortho-cresol	<55	µg/L	0	WA
		4,6-Dinitro-ortho-cresol	<55	µg/L	0	WA
		2,4-Dinitrophenol	<55	µg/L	0	WA
		2,4-Dinitrophenol	<55	µg/L	0	WA
		2,4-Dinitrophenol	<55	µg/L	0	WA

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WELL BGO 8AR collected on 02/28/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		2,4-Dinitrophenol	<55	µg/L	0	WA
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
		2,4-Dinitrotoluene	<11	µg/L	0	WA
		2,4-Dinitrotoluene	<11	µg/L	0	WA
		2,4-Dinitrotoluene	<11	µg/L	0	WA
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
		2,6-Dinitrotoluene	<11	µg/L	0	WA
		2,6-Dinitrotoluene	<11	µg/L	0	WA
		2,6-Dinitrotoluene	<11	µg/L	0	WA
		2,6-Dinitrotoluene	<11	µg/L	0	WA
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
		Endrin	<0.11	µg/L	0	WA
		Endrin	<0.11	µg/L	0	WA
•		Endrin	<10	µg/L	0	GE
•		Endrin	<0.0060	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin	<0.0060	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<5.0	µg/L	0	WA
		Ethylbenzene	<5.0	µg/L	0	WA
		Ethylbenzene	<1.0	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoranthene	<11	µg/L	0	WA
		Fluoranthene	<11	µg/L	0	WA
		Fluoranthene	<11	µg/L	0	WA
		Fluoranthene	<11	µg/L	0	WA
•		Fluoranthene	<10	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
		Fluorene	<11	µg/L	0	WA
		Fluorene	<11	µg/L	0	WA
		Fluorene	<11	µg/L	0	WA
		Fluorene	<11	µg/L	0	WA
•		Fluorene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	WA
		Fluoride	<100	µg/L	0	WA
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
		Hexachlorobenzene	<11	µg/L	0	WA
		Hexachlorobenzene	<11	µg/L	0	WA

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WELL BGO 8AR collected on 02/28/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Hexachlorobenzene	<11	µg/L	0	WA
		Hexachlorobenzene	<11	µg/L	0	WA
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
		Hexachlorobutadiene	<11	µg/L	0	WA
		Hexachlorobutadiene	<11	µg/L	0	WA
		Hexachlorobutadiene	<11	µg/L	0	WA
		Hexachlorobutadiene	<11	µg/L	0	WA
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
		Hexachlorocyclopentadiene	<11	µg/L	0	WA
		Hexachlorocyclopentadiene	<11	µg/L	0	WA
		Hexachlorocyclopentadiene	<11	µg/L	0	WA
		Hexachlorocyclopentadiene	<11	µg/L	0	WA
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
		Hexachloroethane	<11	µg/L	0	WA
		Hexachloroethane	<11	µg/L	0	WA
		Hexachloroethane	<11	µg/L	0	WA
		Hexachloroethane	<11	µg/L	0	WA
•		Hexachloroethane	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
		Indeno[1,2,3-c,d]pyrene	<11	µg/L	0	WA
		Indeno[1,2,3-c,d]pyrene	<11	µg/L	0	WA
		Indeno[1,2,3-c,d]pyrene	<11	µg/L	0	WA
		Indeno[1,2,3-c,d]pyrene	<11	µg/L	0	WA
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	10	µg/L	0	WA
		Iron	8.7	µg/L	0	WA
		Iron	8.6	µg/L	0	WA
		Iron	5.6	µg/L	0	GE
		Iron	5.5	µg/L	0	GE
		Isophorone	<11	µg/L	0	WA
		Isophorone	<11	µg/L	0	WA
		Isophorone	<11	µg/L	0	WA
		Isophorone	<11	µg/L	0	WA
•		Isophorone	<10	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
		Lead	<2.0	µg/L	0	WA
		Lead	<2.0	µg/L	0	WA
		Lead	<2.0	µg/L	0	WA
		Lead	<3.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.056	µg/L	0	WA
		Lindane	<0.055	µg/L	0	WA
•		Lindane	<10	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
•		Lindane	<10	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
		Magnesium	1,160	µg/L	0	WA
		Magnesium	1,230	µg/L	0	WA
		Magnesium	1,190	µg/L	0	WA
		Magnesium	1,320	µg/L	0	GE
		Magnesium	1,300	µg/L	0	GE
		Manganese	25	µg/L	1	WA

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WELL BGO 8AR collected on 02/28/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Manganese	27	µg/L	1	WA
		Manganese	25	µg/L	1	WA
		Manganese	25	µg/L	0	GE
		Manganese	24	µg/L	0	GE
		Mercury	<0.20	µg/L	0	WA
		Mercury	<0.20	µg/L	0	WA
		Mercury	<0.20	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.56	µg/L	0	WA
		Methoxychlor	<0.55	µg/L	0	WA
•		Methoxychlor	<0.50	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
		N-Nitrosodimethylamine	<11	µg/L	0	WA
		N-Nitrosodimethylamine	<11	µg/L	0	WA
		N-Nitrosodimethylamine	<11	µg/L	0	WA
		N-Nitrosodimethylamine	<11	µg/L	0	WA
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
		N-Nitrosodiphenylamine	<11	µg/L	0	WA
		N-Nitrosodiphenylamine	<11	µg/L	0	WA
		N-Nitrosodiphenylamine	<11	µg/L	0	WA
		N-Nitrosodiphenylamine	<11	µg/L	0	WA
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
		N-Nitrosodi-propylamine	<11	µg/L	0	WA
		N-Nitrosodi-propylamine	<11	µg/L	0	WA
		N-Nitrosodi-propylamine	<11	µg/L	0	WA
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
		Naphthalene	<11	µg/L	0	WA
		Naphthalene	<11	µg/L	0	WA
		Naphthalene	<11	µg/L	0	WA
		Naphthalene	<11	µg/L	0	WA
•		Naphthalene	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
		Nickel	<3.1	µg/L	0	WA
		Nickel	<3.1	µg/L	0	WA
		Nickel	5.5	µg/L	0	WA
		Nickel	<4.0	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	107	µg/L	0	WA
		Nitrate as nitrogen	112	µg/L	0	WA
		Nitrate as nitrogen	<50	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
		Nitrobenzene	<11	µg/L	0	WA
		Nitrobenzene	<11	µg/L	0	WA
		Nitrobenzene	<11	µg/L	0	WA
		Nitrobenzene	<11	µg/L	0	WA
•		Nitrobenzene	<10	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
		2-Nitrophenol	<11	µg/L	0	WA
		2-Nitrophenol	<11	µg/L	0	WA
		2-Nitrophenol	<11	µg/L	0	WA
		2-Nitrophenol	<11	µg/L	0	WA

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WELL BGO 8AR collected on 02/28/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		2-Nitrophenol	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
		4-Nitrophenol	< 55	µg/L	0	WA
		4-Nitrophenol	< 55	µg/L	0	WA
		4-Nitrophenol	< 55	µg/L	0	WA
•		4-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
		Pentachlorophenol	< 55	µg/L	0	WA
		Pentachlorophenol	< 55	µg/L	0	WA
		Pentachlorophenol	< 55	µg/L	0	WA
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
		Phenanthrene	< 11	µg/L	0	WA
		Phenanthrene	< 11	µg/L	0	WA
		Phenanthrene	< 11	µg/L	0	WA
		Phenanthrene	< 11	µg/L	0	WA
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
		Phenol	< 11	µg/L	0	WA
		Phenol	< 11	µg/L	0	WA
		Phenol	< 11	µg/L	0	WA
•		Phenol	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	WA
		Phenols	< 5.0	µg/L	0	WA
		Phenols	< 5.0	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	1,170	µg/L	0	WA
		Potassium	1,220	µg/L	0	WA
		Potassium	1,150	µg/L	0	WA
		Potassium	1,330	µg/L	0	GE
		Potassium	1,300	µg/L	0	GE
		Pyrene	< 11	µg/L	0	WA
		Pyrene	< 11	µg/L	0	WA
		Pyrene	< 11	µg/L	0	WA
•		Pyrene	< 10	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	WA
		Selenium	< 2.0	µg/L	0	WA
		Selenium	< 2.0	µg/L	0	WA
		Selenium	< 2.0	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 8AR collected on 02/28/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Silica	32,200	µg/L	0	GE
		Silica	31,900	µg/L	0	GE
		Silicon	16,400	µg/L	0	WA
		Silicon	17,500	µg/L	0	WA
		Silicon	15,800	µg/L	0	WA
		Silver	<0.70	µg/L	0	WA
		Silver	<0.70	µg/L	0	WA
		Silver	<0.70	µg/L	0	WA
		Silver	<2.0	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,130	µg/L	0	WA
		Sodium	2,280	µg/L	0	WA
		Sodium	2,230	µg/L	0	WA
		Sodium	2,350	µg/L	0	GE
		Sodium	2,340	µg/L	0	GE
		Sulfate	7,230	µg/L	0	WA
		Sulfate	7,590	µg/L	0	WA
		Sulfate	6,570	µg/L	0	GE
		Sulfate	6,650	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<5.0	µg/L	0	WA
		Tetrachloroethylene	<5.0	µg/L	0	WA
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	3.6	µg/L	0	WA
		Tin	4.6	µg/L	0	WA
		Tin	<1.9	µg/L	0	WA
		Tin	<2.0	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<5.0	µg/L	0	WA
		Toluene	<5.0	µg/L	0	WA
		Toluene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	174,000	µg/L	0	WA
		Total dissolved solids	180,000	µg/L	0	WA
		Total dissolved solids	159,000	µg/L	0	GE
		Total dissolved solids	156,000	µg/L	0	GE
		Total organic carbon	646	µg/L	0	WA
		Total organic carbon	646	µg/L	0	WA
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	45	µg/L	1	WA
		Total organic halogens	60	µg/L	2	WA
		Total organic halogens	7.6	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	45	µg/L	0	WA
		Total phosphates (as P)	47	µg/L	0	WA
		Total phosphates (as P)	56	µg/L	0	WA
		Total phosphates (as P)	<50	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<1.1	µg/L	0	WA
		Toxaphene	<1.1	µg/L	0	WA
●		Toxaphene	<10	µg/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 8AR collected on 02/28/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Toxaphene	<0.24	µg/L	0	GE
•		Toxaphene	<10	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.55	µg/L	0	WA
		2,4,5-TP (Silvex)	<1.1	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.54	µg/L	0	WA
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,2,4-Trichlorobenzene	<11	µg/L	0	WA
		1,2,4-Trichlorobenzene	<11	µg/L	0	WA
		1,2,4-Trichlorobenzene	<11	µg/L	0	WA
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	µg/L	0	WA
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<5.0	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	µg/L	0	WA
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<5.0	µg/L	0	WA
		Trichloroethylene	<5.0	µg/L	0	WA
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<5.0	µg/L	0	WA
		Trichlorofluoromethane	<5.0	µg/L	0	WA
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		2,4,6-Trichlorophenol	<11	µg/L	0	WA
		2,4,6-Trichlorophenol	<11	µg/L	0	WA
		2,4,6-Trichlorophenol	<11	µg/L	0	WA
		2,4,6-Trichlorophenol	<11	µg/L	0	WA
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<0.88	µg/L	0	WA
		Vanadium	<0.88	µg/L	0	WA
		Vanadium	<0.88	µg/L	0	WA
		Vanadium	<8.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<5.0	µg/L	0	WA
		Xylenes	<5.0	µg/L	0	WA
		Xylenes	<2.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Gross alpha	4.0E+00 ± 1.6E+00	pCi/L	0	TM
		Gross alpha	4.6E+00 ± 1.7E+00	pCi/L	0	TM
		Gross alpha	1.4E+00 ± 1.0E+00	pCi/L	0	TM
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	4.9E+00 ± 1.6E+00	pCi/L	0	TM
		Nonvolatile beta	6.8E+00 ± 1.7E+00	pCi/L	0	TM
		Nonvolatile beta	3.0E+00 ± 1.5E+00	pCi/L	0	TM
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Radium-226	7.0E-01 ± 5.0E-01	pCi/L	0	TM
		Radium-226	8.0E-01 ± 5.0E-01	pCi/L	0	TM

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WELL BGO 8AR collected on 02/28/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Radium-226	1.0E-01 ± 2.0E-01	pCi/L	0	TM
		Radium-228	< 1.5E + 01	pCi/L	0	TM
		Radium-228	< 1.6E + 01	pCi/L	0	TM
		Radium-228	< 1.7E + 01	pCi/L	0	TM
		Total alpha-emitting radium	< 1.0E + 00	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E + 00	pCi/L	0	GE
		Tritium	9.2E-02 ± 1.4E-01	pCi/mL	0	TM
		Tritium	4.0E-02 ± 3.2E-01	pCi/mL	0	TM
		Tritium	6.9E-02 ± 1.8E-01	pCi/mL	0	TM
		Tritium	< 7.0E-01	pCi/mL	0	GE
		Tritium	< 7.0E-01	pCi/mL	0	GE
		Uranium-234	< 1.0E + 00	pCi/L	0	TE
		Uranium-234	< 1.0E + 00	pCi/L	0	TE
		Uranium-235	< 1.0E + 00	pCi/L	0	TE
		Uranium-235	< 1.0E + 00	pCi/L	0	TE
		Uranium-238	< 1.0E + 00	pCi/L	0	TE
		Uranium-238	< 1.0E + 00	pCi/L	0	TE

WELL BGO 8C

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

FIELD MEASUREMENTS

Sample date: 01/16/92
 Depth to water: 63.83 ft (19.46 m) below TOC
 Water elevation: 224.07 ft (68.30 m) msl
 Sp. conductance: 116 μ S/cm
 Water evacuated before sampling: 130 gal

Time: 11:25
 pH: 7.2
 Alkalinity: 37 mg/L
 Water temperature: 18.0°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	7.4	pH	0	GE
		Specific conductance	115	μ S/cm	0	GE
		Turbidity	1.8	NTU	0	GE
•		Acenaphthene	< 10	μ g/L	0	GE
•		Acenaphthylene	< 10	μ g/L	0	GE
•		Acetophenone	< 10	μ g/L	0	GE
•		Aldrin	< 10	μ g/L	0	GE
		Aluminum	< 20	μ g/L	0	GE
•		Anthracene	< 10	μ g/L	0	GE
		Antimony	< 2.0	μ g/L	0	GE
		Arsenic	< 2.0	μ g/L	0	GE
		Barium	11	μ g/L	0	GE
		Benzene	< 1.0	μ g/L	0	GE
•		alpha-Benzene hexachloride	< 10	μ g/L	0	GE
•		beta-Benzene hexachloride	< 10	μ g/L	0	GE
•		delta-Benzene hexachloride	< 10	μ g/L	0	GE
•		Benzidine	< 10	μ g/L	0	GE

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WELL BGO 8C collected on 01/16/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	16,100	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	2,280	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	µg/L	0	GE
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE

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WELL BGO 8C collected on 01/16/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	4.3	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
•		Lindane	<10	µg/L	0	GE
		Magnesium	477	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	740	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE
•		PCB 1260	<150	µg/L	0	GE
•		Pentachlorophenol	<10	µg/L	0	GE
•		Phenanthrene	<10	µg/L	0	GE
•		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	1,820	µg/L	0	GE
•		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	13,200	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE

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WELL BGO 8C collected on 01/16/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Sodium	3,690	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	69,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total phosphates (as P)	70	µg/L	0	GE
		Toxaphene	< 0.24	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
		Tritium	< 7.0E-01	pCi/mL	0	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 8D

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

FIELD MEASUREMENTS

Sample date: 01/16/92
 Depth to water: 55.86 ft (17.03 m) below TOC
 Water elevation: 231.94 ft (70.70 m) msl
 Sp. conductance: 25 µS/cm
 Water evacuated before sampling: 29 gal

Time: 11:05
 pH: 5.1
 Alkalinity: 0 mg/L
 Water temperature: 17.6°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.1	pH	0	GE
		Specific conductance	22	µS/cm	0	GE
•		Turbidity	36	NTU	0	GE
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 8D collected on 01/16/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	< 20	µg/L	0	GE
•		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	9.1	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	< 10	µg/L	0	GE
•		beta-Benzene hexachloride	< 10	µg/L	0	GE
•		delta-Benzene hexachloride	< 10	µg/L	0	GE
•		Benzidine	< 10	µg/L	0	GE
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	765	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	2,250	µg/L	0	GE
		Chloride	2,210	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 8D collected on 01/16/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	µg/L	0	GE
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	13	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 10	µg/L	0	GE
		Magnesium	387	µg/L	0	GE
		Manganese	13	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	860	µg/L	0	GE
		Nitrate as nitrogen	860	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE

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WELL BGO 8D collected on 01/16/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	< 500	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	8,200	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	2,170	µg/L	0	GE
		Sulfate	1,010	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	21,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	10	µg/L	0	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	2.8	µg/L	1	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.4E+00 ± 3.0E-01	pCi/L	0	GE
		Tritium	1.3E+01 ± 3.0E-01	pCi/mL	1	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

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

FIELD MEASUREMENTS

Sample date: 01/16/92
 Depth to water: 52.88 ft (16.12 m) below TOC
 Water elevation: 232.22 ft (70.78 m) msl
 Sp. conductance: 34 µS/cm
 Water evacuated before sampling: 60 gal

Time: 13:10
 pH: 4.9
 Alkalinity: 0 mg/L
 Water temperature: 18.9°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.2	pH	0	GE
		Specific conductance	32	µS/cm	0	GE
		Turbidity	0.57	NTU	0	GE
•		Acenaphthene	<10	µg/L	0	GE
•		Acenaphthylene	<10	µg/L	0	GE
•		Acetophenone	<10	µg/L	0	GE
•		Aldrin	<10	µg/L	0	GE
		Aluminum	22	µg/L	0	GE
•		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	10	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		Benidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,350	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	2,030	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 9D collected on 01/16/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	µg/L	0	GE
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE
•		Endosulfan sulfate	< 10	µg/L	0	GE
		Endrin	< 0.0060	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	4.4	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 9D collected on 01/16/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Isophorone	< 10	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
		Lindane	< 0.0050	µg/L	0	GE
•		Lindane	< 10	µg/L	0	GE
		Magnesium	546	µg/L	0	GE
		Manganese	28	µg/L	1	GE
		Mercury	< 0.20	µg/L	0	GE
		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	1,460	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	< 500	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	9,270	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	2,580	µg/L	0	GE
		Sulfate	1,030	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	2.6	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	26,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
		Toxaphene	< 0.24	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	< 2.0E + 00	pCi/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 9D collected on 01/16/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.1E+00 ± 3.0E-01	pCi/L	0	GE
		Tritium	1.6E+01 ± 4.0E-01	pCi/mL	1	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE

WELL BGO 10AR

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

FIELD MEASUREMENTS

Sample date: 01/16/92
 Depth to water: 141.63 ft (43.17 m) below TOC
 Water elevation: 158.87 ft (48.42 m) msl
 Sp. conductance: 243 µS/cm
 Water evacuated before sampling: 166 gal

Time: 14:05
 pH: 8.2
 Alkalinity: 106 mg/L
 Water temperature: 18.7°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	8.0	pH	0	GE
		Specific conductance	245	µS/cm	0	GE
		Turbidity	2.0	NTU	0	GE
•		Acenaphthene	<10	µg/L	0	GE
•		Acenaphthylene	<10	µg/L	0	GE
•		Acetophenone	<10	µg/L	0	GE
•		Aldrin	<10	µg/L	0	GE
		Aluminum	<20	µg/L	0	GE
•		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	17	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		Benzidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 10AR collected on 01/16/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	44,200	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	2,580	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 10AR collected on 01/16/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Fluorene	< 10	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	< 4.0	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
		Lindane	< 0.0050	µg/L	0	GE
•		Lindane	< 10	µg/L	0	GE
		Magnesium	1,300	µg/L	0	GE
		Manganese	35	µg/L	1	GE
		Mercury	< 0.20	µg/L	0	GE
		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	< 50	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	1,140	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	30,100	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	3,820	µg/L	0	GE
		Sulfate	6,440	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	3.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	159,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	5.0	µg/L	0	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
		Toxaphene	< 0.24	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE

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WELL BGO 10AR collected on 01/16/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	2.7E+00 ± 5.3E-01	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE

WELL BGO 10C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N76805.2 E57041.1	33.288713 °N 81.665792 °W	167.3-157.3 ft msl	301.3 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/17/92
 Depth to water: 79.72 ft (24.30 m) below TOC
 Water elevation: 221.58 ft (67.54 m) msl
 Sp. conductance: 252 µS/cm
 Water evacuated before sampling: 40 gal
 The well went dry during purging.

Time: 9:25
 pH: 7.8
 Alkalinity: 101 mg/L
 Water temperature: 17.4°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	8.0	pH	1	GE
		Specific conductance	252	µS/cm	1	GE
•		Turbidity	1.8	NTU	0	GE
•		Acenaphthene	<10	µg/L	0	GE
•		Acenaphthylene	<10	µg/L	0	GE
•		Acetophenone	<10	µg/L	0	GE
•		Aldrin	<10	µg/L	0	GE
		Aluminum	<20	µg/L	0	GE
•		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	28	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		Benidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 10C collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	41,700	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	2,270	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.1	µg/L	0	GE
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 10C collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE
•		Ethylbenzene	< 1.0	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
•		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
•		Iron	< 4.0	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE
•		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 10	µg/L	0	GE
•		Magnesium	1,050	µg/L	0	GE
•		Manganese	< 2.0	µg/L	0	GE
•		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
•		Nickel	< 4.0	µg/L	0	GE
•		Nitrate as nitrogen	370	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
•		Phenols	< 5.0	µg/L	0	GE
•		Potassium	603	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
•		Selenium	< 2.0	µg/L	0	GE
•		Silica	25,400	µg/L	0	GE
•		Silver	< 2.0	µg/L	0	GE
•		Sodium	4,600	µg/L	0	GE
•		Sulfate	3,960	µg/L	0	GE
•		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 10C collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	154,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	12	µg/L	0	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
•		2,4,5-TP (Silv x)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
		Tritium	7.5E-01 ± 2.0E-01	pCi/mL	0	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 10D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N76805.1	33.288696 °N	250.5-230.5 ft msl	301.5 ft msl	4" PVC	Water Table (IIB ₂)
E57030.6	81.665820 °W				

FIELD MEASUREMENTS

Sample date: 01/17/92
 Depth to water: 69.20 ft (21.09 m) below TOC
 Water elevation: 232.30 ft (70.81 m) msl
 Sp. conductance: 253 µS/cm
 Water evacuated before sampling: 1 gal
 There was insufficient water to fill all or some sample bottles.

Time: 9:50
 pH: 6.7
 Alkalinity: 96 mg/L
 Water temperature: 13.6°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	7.0	pH	0	GE
		Specific conductance	270	µS/cm	1	GE
•		Turbidity	5.2	NTU	0	GE
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	< 20	µg/L	0	GE
•		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 10D collected on 01/17/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Arsenic	<2.0	µg/L	0	GE
		Barium	22	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		Benzidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	44,400	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	4,320	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	3.2	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 10D collected on 01/17/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	< 4.0	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE
		Lead	4.2	µg/L	0	GE
•		Lindane	< 10	µg/L	0	GE
		Magnesium	732	µg/L	0	GE
		Manganese	32	µg/L	1	GE
		Mercury	< 0.20	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
■		Nickel	112	µg/L	2	GE
		Nitrate as nitrogen	400	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	823	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 10D collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Silica	8,160	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	6,680	µg/L	0	GE
		Sulfate	6,890	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	150,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	< 2.0E + 00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E + 00	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E + 00	pCi/L	0	GE
■		Tritium	3.4E + 02 ± 1.4E + 00	pCi/mL	2	GE
		Uranium-234	< 1.0E + 00	pCi/L	0	TE
		Uranium-235	< 1.0E + 00	pCi/L	0	TE
		Uranium-238	< 1.0E + 00	pCi/L	0	TE

WELL BGO 11D

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

FIELD MEASUREMENTS

Sample date: 01/16/92
 Depth to water: 72.72 ft (22.17 m) below TOC
 Water elevation: 232.58 ft (70.89 m) msl
 Sp. conductance: 34 µS/cm
 Water evacuated before sampling: 43 gal

Time: 14:40
 pH: 4.9
 Alkalinity: 0 mg/L
 Water temperature: 18.3°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.6	pH	0	GE
		Specific conductance	35	µS/cm	0	GE
		Turbidity	2.5	NTU	0	GE
		Turbidity	2.4	NTU	0	GE
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 11D collected on 01/16/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Acetophenone	<10	µg/L	0	GE
•		Aldrin	<10	µg/L	0	GE
		Aluminum	<20	µg/L	0	GE
•		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	5.6	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		Benzidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	887	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	2,430	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 11D collected on 01/16/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
•		Lindane	<10	µg/L	0	GE
		Magnesium	533	µg/L	0	GE
		Manganese	8.2	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	1,960	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 11D collected on 01/16/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	< 500	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	7,650	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	3,320	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	27,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	14	µg/L	0	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
		Toxaphene	< 0.24	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	2.2E+00 ± 5.1E-01	pCi/L	0	GE
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	2.5E+00 ± 4.0E-01	pCi/L	1	GE
■		Tritium	4.5E+02 ± 1.7E+00	pCi/mL	2	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 12AR

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

FIELD MEASUREMENTS

Sample date: 01/17/92
 Depth to water: 155.15 ft (47.29 m) below TOC
 Water elevation: 158.25 ft (48.24 m) msl
 Sp. conductance: 227 µS/cm
 Water evacuated before sampling: 312 gal

Time: 11:00
 pH: 10.1
 Alkalinity: 106 mg/L
 Water temperature: 17.4°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	10	pH	2	GE
		Specific conductance	105	µS/cm	0	GE
		Turbidity	1.8	NTU	0	GE
•		Acenaphthene	<10	µg/L	0	GE
•		Acenaphthylene	<10	µg/L	0	GE
•		Acetophenone	<10	µg/L	0	GE
•		Aldrin	<10	µg/L	0	GE
		Aluminum	180	µg/L	1	GE
•		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	12	µg/L	0	GE
		Barium	51	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		Benidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	40,900	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	2,360	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 12AR collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	3.3	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 12AR collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Lindane	< 10	µg/L	0	GE
		Magnesium	180	µg/L	0	GE
		Manganese	< 2.0	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	< 50	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	4,090	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	32,600	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	3,990	µg/L	0	GE
		Sulfate	4,880	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	88,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	69	µg/L	2	GE
		Total phosphates (as P)	50	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	4.2	µg/L	1	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	2.2E+00 ± 5.5E-01	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
		Tritium	< 7.0E-01	pCi/mL	0	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE

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WELL BGO 12AR collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-235	< 1.0E + 00	pCi/L	0	TE
		Uranium-238	< 1.0E + 00	pCi/L	0	TE

WELL BGO 12CR

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N76806.0	33.287367 °N	154.0-144.0 ft msl	314.0 ft msl	4" PVC	Barnwell (IIB ₁)
E56215.2	81.667969 °W				

FIELD MEASUREMENTS

Sample date: 01/17/92
 Depth to water: 91.49 ft (27.89 m) below TOC
 Water elevation: 222.51 ft (67.82 m) msl
 Sp. conductance: 205 µS/cm
 Water evacuated before sampling: 44 gal
 The well went dry during purging.

Time: 10:30
 pH: 11.2
 Alkalinity: 73 mg/L
 Water temperature: 17.4°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	11	pH	2	GE
		Specific conductance	205	µS/cm	0	GE
•		Turbidity	1.8	NTU	0	GE
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	905	µg/L	2	GE
•		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	3.0	µg/L	0	GE
		Barium	7.7	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	< 10	µg/L	0	GE
•		beta-Benzene hexachloride	< 10	µg/L	0	GE
•		delta-Benzene hexachloride	< 10	µg/L	0	GE
•		Benzidine	< 10	µg/L	0	GE
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 12CR collected on 01/17/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Calcium	18,500	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	2,100	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	7.7	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	7.1	µg/L	0	GE
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
		Fluoride	268	µg/L	0	GE
		Fluoride	274	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 12CR collected on 01/17/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	9.6	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
•		Lindane	<10	µg/L	0	GE
		Magnesium	78	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	540	µg/L	0	GE
		Nitrate as nitrogen	540	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE
•		PCB 1260	<150	µg/L	0	GE
•		Pentachlorophenol	<10	µg/L	0	GE
•		Phenanthrene	<10	µg/L	0	GE
•		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	2,850	µg/L	0	GE
•		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	15,600	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	12,800	µg/L	0	GE
		Sulfate	6,060	µg/L	0	GE
		Sulfate	6,080	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	2.4	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
•		Total dissolved solids	107,000	µg/L	0	GE
		Total organic carbon	2,000	µg/L	0	GE
		Total organic halogens	19	µg/L	0	GE
		Total phosphates (as P)	90	µg/L	0	GE
•		Toxaphene	<10	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 12CR collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
■		Trichloroethylene	54	μg/L	2	GE
		Trichlorofluoromethane	< 1.0	μg/L	0	GE
●		2,4,6-Trichlorophenol	< 10	μg/L	0	GE
		Vanadium	23	μg/L	0	GE
		Xylenes	< 2.0	μg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	6.5E+00 ± 7.2E-01	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
		Tritium	< 7.0E-01	pCi/mL	0	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 12D

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

FIELD MEASUREMENTS

Sample date: 01/17/92
 Depth to water: 81.10 ft (24.72 m) below TOC
 Water elevation: 232.60 ft (70.90 m) msl
 Sp. conductance: 172 μS/cm
 Water evacuated before sampling: 10 gal
 The well went dry during purging.

Time: 10:45
 pH: 7.1
 Alkalinity: 51 mg/L
 Water temperature: 17.6°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
●		pH	7.4	pH	0	GE
		Specific conductance	150	μS/cm	0	GE
●		Turbidity	230	NTU	0	GE
●		Acenaphthene	< 10	μg/L	0	GE
●		Acenaphthylene	< 10	μg/L	0	GE
●		Acetophenone	< 10	μg/L	0	GE
●		Aldrin	< 10	μg/L	0	GE
		Aluminum	< 20	μg/L	0	GE
●		Anthracene	< 10	μg/L	0	GE
		Antimony	< 2.0	μg/L	0	GE
		Arsenic	< 2.0	μg/L	0	GE
		Barium	46	μg/L	0	GE
		Benzene	< 1.0	μg/L	0	GE
●		alpha-Benzene hexachloride	< 10	μg/L	0	GE
●		beta-Benzene hexachloride	< 10	μg/L	0	GE
●		delta-Benzene hexachloride	< 10	μg/L	0	GE
●		Benzidine	< 10	μg/L	0	GE
●		Benzo[a]anthracene	< 10	μg/L	0	GE
●		Benzo[a]pyrene	< 10	μg/L	0	GE
●		Benzo[b]fluoranthene	< 10	μg/L	0	GE
●		Benzo[g,h,i]perylene	< 10	μg/L	0	GE
●		Benzo[k]fluoranthene	< 10	μg/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 12D collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	25,700	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	2,580	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	3.1	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 12D collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	< 4.0	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 10	µg/L	0	GE
		Magnesium	987	µg/L	0	GE
		Manganese	12	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	2,040	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	1,260	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	8,940	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	2,760	µg/L	0	GE
		Sulfate	1,260	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	1.0	µg/L	0	GE
		Tin	2.4	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	104,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE

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WELL BGO 12D collected on 01/17/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Total organic halogens	95	µg/L	2	GE
		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<10	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
■		Trichloroethylene	164	µg/L	2	GE
		Trichlorofluoromethane	2.2	µg/L	0	GE
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Gross alpha	3.3E+00 ± 5.4E-01	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.7E+00 ± 4.0E-01	pCi/L	0	GE
■		Tritium	3.2E+01 ± 5.0E-01	pCi/mL	2	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE

WELL BGO 13DR

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

FIELD MEASUREMENTS

Sample date: 01/30/92
 Depth to water: 86.84 ft (26.47 m) below TOC
 Water elevation: 232.46 ft (70.85 m) msl
 Sp. conductance: 104 µS/cm
 Water evacuated before sampling: 10 gal
 The well went dry during purging.

Time: 9:00
 pH: 6.3
 Alkalinity: 29 mg/L
 Water temperature: 18.4°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	7.2	pH	0	GE
		Specific conductance	78	µS/cm	0	GE
		Turbidity	9.0	NTU	0	GE
		Turbidity	9.3	NTU	0	GE
•		Acenaphthene	<10	µg/L	0	GE
•		Acenaphthylene	<10	µg/L	0	GE
•		Acetophenone	<10	µg/L	0	GE
•		Aldrin	<10	µg/L	0	GE
		Aluminum	<20	µg/L	0	GE
•		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	16	µg/L	0	GE
•		Benzene	<1.0	µg/L	0	GE
		alpha-Benzene hexachloride	<10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 13DR collected on 01/30/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		beta-Benzene hexachloride	< 10	µg/L	0	GE
•		delta-Benzene hexachloride	< 10	µg/L	0	GE
•		Benzidine	< 10	µg/L	0	GE
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	4,850	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	3,190	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	2.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	µg/L	0	GE
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 13DR collected on 01/30/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
•		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
•		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
•		Iron	52	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
•		Lead	<3.0	µg/L	0	GE
•		Lindane	<10	µg/L	0	GE
		Magnesium	418	µg/L	0	GE
		Manganese	122	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
		Nickel	7.3	µg/L	0	GE
		Nitrate as nitrogen	770	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE
•		PCB 1260	<150	µg/L	0	GE
•		Pentachlorophenol	<10	µg/L	0	GE
•		Phenanthrene	<10	µg/L	0	GE
•		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	972	µg/L	0	GE
•		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	6,630	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 13DR collected on 01/30/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Sodium	12,100	µg/L	0	GE
		Sulfate	11,300	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	58,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<10	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
	■	Trichloroethylene	9.0	µg/L	2	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
	■	Tritium	1.3E+02 ± 9.0E-01	pCi/mL	2	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE

WELL BGO 14AR

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

FIELD MEASUREMENTS

Sample date: 01/22/92
 Depth to water: 141.33 ft (43.08 m) below TOC
 Water elevation: 159.37 ft (48.58 m) msl
 Sp. conductance: 616 µS/cm
 Water evacuated before sampling: 206 gal

Time: 9:45
 pH: 11.9
 Alkalinity: 196 mg/L
 Water temperature: 17.2°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	11	pH	2	GE
		Specific conductance	381	µS/cm	1	GE
		Turbidity	0.41	NTU	0	GE
•		Acenaphthene	<10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 14AR collected on 01/22/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	1,160	µg/L	2	GE
•		Anthracene	< 10	µg/L	0	GE
	■	Antimony	5.2	µg/L	2	GE
		Arsenic	7.3	µg/L	0	GE
		Barium	99	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	< 10	µg/L	0	GE
•		beta-Benzene hexachloride	< 10	µg/L	0	GE
•		delta-Benzene hexachloride	< 10	µg/L	0	GE
•		Benzidine	< 10	µg/L	0	GE
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	50,300	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	2,400	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 14AR collected on 01/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.0	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	118	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	5.7	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
•		Lindane	<10	µg/L	0	GE
		Magnesium	354	µg/L	0	GE
		Manganese	2.4	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	180	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE

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WELL BGO 14AR collected on 01/22/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	14,300	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	19,700	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	13,200	µg/L	0	GE
		Sulfate	3,660	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	155,000	µg/L	0	GE
		Total organic carbon	1,000	µg/L	0	GE
		Total organic halogens	23	µg/L	0	GE
		Total phosphates (as P)	150	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	4.5	µg/L	1	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	1.0E+01 ± 8.7E-01	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
		Tritium	9.6E+00 ± 3.0E-01	pCi/mL	0	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

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

FIELD MEASUREMENTS

Sample date: 01/17/92
 Depth to water: 75.86 ft (23.12 m) below TOC
 Water elevation: 224.64 ft (68.47 m) msl
 Sp. conductance: 120 μ S/cm
 Water evacuated before sampling: 17 gal
 The well went dry during purging.

Time: 12:40
 pH: 10.1
 Alkalinity: 30 mg/L
 Water temperature: 17.6°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	7.5	pH	0	GE
		Specific conductance	90	μ S/cm	0	GE
•		Turbidity	24	NTU	0	GE
•		Acenaphthene	< 10	μ g/L	0	GE
•		Acenaphthylene	< 10	μ g/L	0	GE
•		Acetophenone	< 10	μ g/L	0	GE
•		Aldrin	< 10	μ g/L	0	GE
		Aluminum	334	μ g/L	2	GE
•		Anthracene	< 10	μ g/L	0	GE
		Antimony	< 2.0	μ g/L	0	GE
		Arsenic	< 2.0	μ g/L	0	GE
		Barium	14	μ g/L	0	GE
		Benzene	< 1.0	μ g/L	0	GE
•		alpha-Benzene hexachloride	< 10	μ g/L	0	GE
•		beta-Benzene hexachloride	< 10	μ g/L	0	GE
•		delta-Benzene hexachloride	< 10	μ g/L	0	GE
•		Benidine	< 10	μ g/L	0	GE
•		Benzo[a]anthracene	< 10	μ g/L	0	GE
•		Benzo[a]pyrene	< 10	μ g/L	0	GE
•		Benzo[b]fluoranthene	< 10	μ g/L	0	GE
•		Benzo[g,h,i]perylene	< 10	μ g/L	0	GE
•		Benzo[k]fluoranthene	< 10	μ g/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	μ g/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	μ g/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	μ g/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	μ g/L	0	GE
		Bromodichloromethane	< 1.0	μ g/L	0	GE
		Bromoform	< 1.0	μ g/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	μ g/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	μ g/L	0	GE
•		Butylbenzyl phthalate	< 10	μ g/L	0	GE
		Cadmium	< 2.0	μ g/L	0	GE
		Calcium	5,860	μ g/L	0	GE
		Carbon tetrachloride	< 1.0	μ g/L	0	GE
•		Chlordane	< 10	μ g/L	0	GE
		Chloride	2,940	μ g/L	0	GE
•		para-Chloro-meta-cresol	< 10	μ g/L	0	GE
		Chlorobenzene	< 1.0	μ g/L	0	GE
		Chloroethane	< 1.0	μ g/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 14CR collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	9.9	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	6.4	µg/L	0	GE
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	35	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 14CR collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Lindane	< 10	µg/L	0	GE
		Magnesium	605	µg/L	0	GE
		Manganese	3.2	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	820	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	9,720	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	10,700	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	8,340	µg/L	0	GE
		Sulfate	5,450	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	69,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	44	µg/L	1	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	14	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
■		Trichloroethylene	46	µg/L	2	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
■		Tritium	3.4E+01 ± 5.0E-01	pCi/mL	2	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 14CR collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-235	< 1.0E + 00	pCi/L	0	TE
		Uranium-238	< 1.0E + 00	pCi/L	0	TE

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

FIELD MEASUREMENTS

Sample date: 01/22/92
 Depth to water: 68.29 ft (20.82 m) below TOC
 Water elevation: 232.01 ft (70.72 m) msl
 Sp. conductance: 42 µS/cm
 Water evacuated before sampling: 37 gal

Time: 9:20
 pH: 5.6
 Alkalinity: 4 mg/L
 Water temperature: 19.0°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.8	pH	0	GE
		Specific conductance	45	µS/cm	0	GE
		Turbidity	1.4	NTU	0	GE
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	< 20	µg/L	0	GE
•		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	8.9	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	< 10	µg/L	0	GE
•		beta-Benzene hexachloride	< 10	µg/L	0	GE
•		delta-Benzene hexachloride	< 10	µg/L	0	GE
•		Benzidine	< 10	µg/L	0	GE
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 14DR collected on 01/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Calcium	1,860	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	3,740	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.9	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 14DR collected on 01/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	4.7	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 10	µg/L	0	GE
		Magnesium	510	µg/L	0	GE
		Manganese	33	µg/L	1	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	5.3	µg/L	0	GE
		Nitrate as nitrogen	990	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	588	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	8,110	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	3,950	µg/L	0	GE
		Sulfate	1,840	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	1.2	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	35,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	80	µg/L	2	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
	■	Trichloroethylene	66	µg/L	2	GE
		Trichlorofluoromethane	2.9	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE

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WELL BGO 14DR collected on 01/22/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
■		Tritium	3.1E+01 ± 5.0E-01	pCi/mL	2	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE

WELL BGO 15D

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

FIELD MEASUREMENTS

Sample date: 01/20/92
 Depth to water: 67.30 ft (20.51 m) below TOC
 Water elevation: 231.40 ft (70.53 m) msl
 Sp. conductance: 36 µS/cm
 Water evacuated before sampling: 33 gal

Time: 9:40
 pH: 5.4
 Alkalinity: 11 mg/L
 Water temperature: 17.1°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.7	pH	0	GE
		Specific conductance	1,650	µS/cm	2	GE
		Turbidity	1.3	NTU	0	GE
•		Acenaphthene	<10	µg/L	0	GE
•		Acenaphthylene	<10	µg/L	0	GE
•		Acetophenone	<10	µg/L	0	GE
•		Aldrin	<10	µg/L	0	GE
		Aluminum	<20	µg/L	0	GE
•		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	9.7	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		Benzidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE

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WELL BGO 15D collected on 01/20/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	2,260	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	2,230	µg/L	0	GE
		Chloride	2,200	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	2.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	10	µg/L	0	GE
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 15D collected on 01/20/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	111	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	5.3	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
•		Lindane	<10	µg/L	0	GE
		Magnesium	416	µg/L	0	GE
		Manganese	6.1	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	1,140	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE
•		PCB 1260	<150	µg/L	0	GE
•		Pentachlorophenol	<10	µg/L	0	GE
•		Phenanthrene	<10	µg/L	0	GE
•		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
•		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	7,290	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,310	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
■		Tetrachloroethylene	6.1	µg/L	2	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	21,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	55	µg/L	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 15D collected on 01/20/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<10	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
	■	Trichloroethylene	73	µg/L	2	GE
		Trichlorofluoromethane	7.9	µg/L	1	GE
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.2E+00 ± 4.0E-01	pCi/L	0	GE
	■	Tritium	4.0E+02 ± 1.6E+00	pCi/mL	2	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE

WELL BGO 16A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N75757.0	33.285013 °N	112.5-102.5 ft msl	305.0 ft msl		U. Congaree (IIA)
E56194.2	81.665986 °W				

FIELD MEASUREMENTS

Sample date: 03/23/92
 Depth to water: 142.04 ft (43.29 m) below TOC
 Water elevation: 162.96 ft (49.67 m) msl
 Sp. conductance: 1870 µS/cm
 Water evacuated before sampling: 22 gal
 The well went dry during purging.

Time: 12:25
 pH: 11.7
 Alkalinity: 475 mg/L
 Water temperature: 17.4°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	11	pH	2	GE
		Specific conductance	1,400	µS/cm	2	GE
•		Turbidity	<0.10	NTU	0	GE
•		Acenaphthene	<10	µg/L	0	GE
•		Acenaphthylene	<10	µg/L	0	GE
•		Acetophenone	<10	µg/L	0	GE
•		Aldrin	<10	µg/L	0	GE
		Aluminum	790	µg/L	2	GE
•		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	106	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 16A collected on 03/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Benidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	91,400	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	1,320	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
•		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.6	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 16A collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	167	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
•		Lindane	<10	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	18	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE
•		PCB 1260	<150	µg/L	0	GE
•		Pentachlorophenol	<10	µg/L	0	GE
•		Phenanthrene	<10	µg/L	0	GE
•		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	12,400	µg/L	0	GE
•		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	30,100	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE

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WELL BGO 16A collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Sodium	13,000	µg/L	0	GE
		Sulfate	9,800	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	386,000	µg/L	0	GE
		Total organic carbon	1,000	µg/L	0	GE
		Total organic halogens	21	µg/L	0	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
		Toxaphene	< 0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	1.1E+01 ± 8.6E-01	pCi/L	0	GE
		Total alpha-emitting radium	1.6E+00 ± 4.0E-01	pCi/L	0	GE
		Tritium	1.1E+00 ± 3.0E-01	pCi/mL	0	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 16D

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

FIELD MEASUREMENTS

Sample date: 03/23/92
 Depth to water: 72.77 ft (22.18 m) below TOC
 Water elevation: 231.83 ft (70.66 m) msl
 Sp. conductance: 356 µS/cm
 Water evacuated before sampling: 5 gal
 The well went dry during purging.

Time: 12:40
 pH: 9.4
 Alkalinity: 132 mg/L
 Water temperature: 18.2°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	9.9	pH	1	GE
•		pH	9.9	pH	1	GE
		Specific conductance	280	µS/cm	1	GE
		Specific conductance	285	µS/cm	1	GE
•		Turbidity	86	NTU	0	GE
		Acenaphthene	< 10	µg/L	0	GE

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WELL BGO 16D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Acenaphthylene	< 10	µg/L	0	GE
		Acetophenone	< 10	µg/L	0	GE
		Aldrin	< 10	µg/L	0	GE
		Aluminum	70	µg/L	0	GE
		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	7.9	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		alpha-Benzene hexachloride	< 10	µg/L	0	GE
		beta-Benzene hexachloride	< 10	µg/L	0	GE
		delta-Benzene hexachloride	< 10	µg/L	0	GE
		Benidine	< 10	µg/L	0	GE
		Benzo[a]anthracene	< 10	µg/L	0	GE
		Benzo[a]pyrene	< 10	µg/L	0	GE
		Benzo[b]fluoranthene	< 10	µg/L	0	GE
		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
		Benzo[k]fluoranthene	< 10	µg/L	0	GE
		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	1,230	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Chlordane	< 10	µg/L	0	GE
		Chloride	1,600	µg/L	0	GE
		Chloride	1,700	µg/L	0	GE
		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		2-Chloronaphthalene	< 10	µg/L	0	GE
		2-Chlorophenol	< 10	µg/L	0	GE
		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Chrysene	< 10	µg/L	0	GE

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WELL BGO 16D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		p,p'-DDD	<10	µg/L	0	GE
		p,p'-DDE	<10	µg/L	0	GE
		p,p'-DDT	<10	µg/L	0	GE
		Di-n-butyl phthalate	<10	µg/L	0	GE
		Di-n-octyl phthalate	<10	µg/L	0	GE
		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.2	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.3	µg/L	0	GE
		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Dieldrin	<10	µg/L	0	GE
		Diethyl phthalate	<10	µg/L	0	GE
		2,4-Dimethyl phenol	<10	µg/L	0	GE
		Dimethyl phthalate	<10	µg/L	0	GE
		2,4-Dinitrophenol	<45	µg/L	0	GE
		2,4-Dinitrotoluene	<10	µg/L	0	GE
		2,6-Dinitrotoluene	<10	µg/L	0	GE
		1,2-Diphenylhydrazine	<10	µg/L	0	GE
		Endosulfan I	<10	µg/L	0	GE
		Endosulfan II	<10	µg/L	0	GE
		Endosulfan sulfate	<10	µg/L	0	GE
		Endrin	<10	µg/L	0	GE
•		Endrin	<0.0060	µg/L	0	GE
		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoranthene	<10	µg/L	0	GE
		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Heptachlor	<10	µg/L	0	GE
		Heptachlor epoxide	<10	µg/L	0	GE
		Hexachlorobenzene	<10	µg/L	0	GE
		Hexachlorobutadiene	<10	µg/L	0	GE
		Hexachlorocyclopentadiene	<10	µg/L	0	GE
		Hexachloroethane	<10	µg/L	0	GE
		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE

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WELL BGO 16D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Iron	12	µg/L	0	GE
		Isophorone	< 10	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
		Lindane	< 10	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	199	µg/L	0	GE
		Manganese	< 2.0	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
		N-Nitrosodimethylamine	< 10	µg/L	0	GE
		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	160	µg/L	0	GE
		Nitrobenzene	< 10	µg/L	0	GE
		2-Nitrophenol	< 10	µg/L	0	GE
		4-Nitrophenol	< 10	µg/L	0	GE
		PCB 1016	< 150	µg/L	0	GE
		PCB 1221	< 150	µg/L	0	GE
		PCB 1232	< 150	µg/L	0	GE
		PCB 1242	< 150	µg/L	0	GE
		PCB 1248	< 150	µg/L	0	GE
		PCB 1254	< 150	µg/L	0	GE
		PCB 1260	< 150	µg/L	0	GE
		Pentachlorophenol	< 10	µg/L	0	GE
		Phenanthrene	< 10	µg/L	0	GE
		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	15,300	µg/L	0	GE
		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	8,590	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	48,900	µg/L	0	GE
		Sulfate	3,760	µg/L	0	GE
		Sulfate	3,820	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	2.8	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	185,000	µg/L	0	GE
		Total dissolved solids	182,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	34	µg/L	1	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
		Toxaphene	< 10	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE

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WELL BGO 16D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
■		Trichloroethylene	8.8	µg/L	2	GE
■		Trichloroethylene	8.9	µg/L	2	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	3.6E+00 ± 2.3E-01	pCi/L	0	GE
		Nonvolatile beta	1.1E+01 ± 3.0E-01	pCi/L	0	GE
		Total alpha-emitting radium	3.1E+00 ± 4.0E-01	pCi/L	1	GE
■		Tritium	1.2E+03 ± 5.4E+00	pCi/mL	2	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 17D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N75599.6	33.285000 °N	224.0-204.0 ft msl	298.3 ft msl	4" PVC	Water Table (IIB ₂)
E56399.4	81.665140 °W				

FIELD MEASUREMENTS

Sample date: 03/23/92 Time: 9:40
Inaccessibility or pump failure prevented sample collection.

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 18A

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

FIELD MEASUREMENTS

Sample date: 03/23/92	Time: 11:45
Depth to water: 133.36 ft (40.65 m) below TOC	pH: 6.5
Water elevation: 161.84 ft (49.33 m) msl	Alkalinity: 72 mg/L
Sp. conductance: 200 µS/cm	Water temperature: 18.5°C
Water evacuated before sampling: 164 gal	

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	6.9	pH	0	GE
		Specific conductance	175	µS/cm	0	GE
•		Turbidity	<0.10	NTU	0	GE
•		Acenaphthene	<10	µg/L	0	GE
•		Acenaphthylene	<10	µg/L	0	GE
•		Acetophenone	<10	µg/L	0	GE
•		Aldrin	<10	µg/L	0	GE
		Aluminum	<20	µg/L	0	GE
•		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	40	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		Benzidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	34,600	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	2,520	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 18A collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.8	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	101	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	29	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 18A collected on 03/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Lead	<3.0	µg/L	0	GE
•		Lindane	<10	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	1,300	µg/L	0	GE
		Manganese	55	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE
•		PCB 1260	<150	µg/L	0	GE
•		Pentachlorophenol	<10	µg/L	0	GE
•		Phenanthrene	<10	µg/L	0	GE
•		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	1,360	µg/L	0	GE
•		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	38,000	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,940	µg/L	0	GE
		Sulfate	8,890	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	127,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	21	µg/L	0	GE
		Total phosphates (as P)	120	µg/L	0	GE
		Total phosphates (as P)	100	µg/L	0	GE
•		Toxaphene	<10	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Gross alpha	2.6E+00 ± 4.8E-01	pCi/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 18A collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Nonvolatile beta	2.2E+00 ± 4.3E-01	pCi/L	0	GE
		Total alpha-emitting radium	2.1E+00 ± 5.0E-01	pCi/L	0	GE
		Tritium	< 7.0E-01	pCi/mL	0	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 18D

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

FIELD MEASUREMENTS

Sample date: 03/23/92
 Depth to water: 61.88 ft (18.86 m) below TOC
 Water elevation: 233.02 ft (71.03 m) msl
 Sp. conductance: 24 µS/cm
 Water evacuated before sampling: 35 gal

Time: 12:00
 pH: 3.8
 Alkalinity: 0 mg/L
 Water temperature: 18.5°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	4.8	pH	0	GE
		Specific conductance	22	µS/cm	0	GE
•		Turbidity	1.2	NTU	0	GE
•		Turbidity	1.2	NTU	0	GE
		Acenaphthene	< 10	µg/L	0	GE
		Acenaphthylene	< 10	µg/L	0	GE
		Acetophenone	< 10	µg/L	0	GE
		Aldrin	< 10	µg/L	0	GE
		Aluminum	42	µg/L	0	GE
		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	8.3	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		alpha-Benzene hexachloride	< 10	µg/L	0	GE
		beta-Benzene hexachloride	< 10	µg/L	0	GE
		delta-Benzene hexachloride	< 10	µg/L	0	GE
		Benidine	< 10	µg/L	0	GE
		Benzo[a]anthracene	< 10	µg/L	0	GE
		Benzo[a]pyrene	< 10	µg/L	0	GE
		Benzo[b]fluoranthene	< 10	µg/L	0	GE
		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
		Benzo[k]fluoranthene	< 10	µg/L	0	GE
		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 18D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	706	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chlordane	<10	µg/L	0	GE
		Chloride	1,760	µg/L	0	GE
		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		2-Chloronaphthalene	<10	µg/L	0	GE
		2-Chlorophenol	<10	µg/L	0	GE
		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chrysene	<10	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		p,p'-DDT	<10	µg/L	0	GE
		p,p'-DDE	<10	µg/L	0	GE
		p,p'-DDT	<10	µg/L	0	GE
		Di-n-butyl phthalate	<10	µg/L	0	GE
		Di-n-octyl phthalate	<10	µg/L	0	GE
		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.7	µg/L	0	GE
		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Dieldrin	<10	µg/L	0	GE
		Diethyl phthalate	<10	µg/L	0	GE
		2,4-Dimethyl phenol	<10	µg/L	0	GE
		Dimethyl phthalate	<10	µg/L	0	GE
		2,4-Dinitrophenol	<45	µg/L	0	GE
		2,4-Dinitrotoluene	<10	µg/L	0	GE
		2,6-Dinitrotoluene	<10	µg/L	0	GE
		1,2-Diphenylhydrazine	<10	µg/L	0	GE
		Endosulfan I	<10	µg/L	0	GE
		Endosulfan II	<10	µg/L	0	GE
		Endosulfan sulfate	<10	µg/L	0	GE
		Endrin	<10	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 18D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Fluoranthene	<10	µg/L	0	GE
		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Heptachlor	<10	µg/L	0	GE
		Heptachlor epoxide	<10	µg/L	0	GE
		Hexachlorobenzene	<10	µg/L	0	GE
		Hexachlorobutadiene	<10	µg/L	0	GE
		Hexachlorocyclopentadiene	<10	µg/L	0	GE
		Hexachloroethane	<10	µg/L	0	GE
		Indeno(1,2,3-c,d)pyrene	<10	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<10	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	305	µg/L	0	GE
		Manganese	12	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
		N-Nitrosodimethylamine	<10	µg/L	0	GE
		N-Nitrosodiphenylamine	<10	µg/L	0	GE
		N-Nitrosodi-propylamine	<10	µg/L	0	GE
		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	1,050	µg/L	0	GE
		Nitrobenzene	<10	µg/L	0	GE
		2-Nitrophenol	<10	µg/L	0	GE
		4-Nitrophenol	<10	µg/L	0	GE
		PCB 1016	<150	µg/L	0	GE
		PCB 1221	<150	µg/L	0	GE
		PCB 1232	<150	µg/L	0	GE
		PCB 1242	<150	µg/L	0	GE
		PCB 1248	<150	µg/L	0	GE
		PCB 1254	<150	µg/L	0	GE
		PCB 1260	<150	µg/L	0	GE
		Pentachlorophenol	<10	µg/L	0	GE
		Phenanthrene	<10	µg/L	0	GE
		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	9,780	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,920	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	20,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	9.6	µg/L	0	GE
		Total organic halogens	8.1	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 18D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Toxaphene	< 10	µg/L	0	GE
		Toxaphene	< 0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.8E+00 ± 4.0E-01	pCi/L	0	GE
		Tritium	1.5E+01 ± 7.0E-01	pCi/mL	1	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

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

FIELD MEASUREMENTS

Sample date: 03/23/92 Time: 10:00
Inaccessibility or pump failure prevented sample collection.

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 20D

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

FIELD MEASUREMENTS

Sample date: 03/23/92
 Depth to water: 49.24 ft (15.01 m) below TOC
 Water elevation: 234.46 ft (71.46 m) msl
 Sp. conductance: 79 μ S/cm
 Water evacuated before sampling: 8 gal
 The well went dry during purging.

Time: 12:10
 pH: 4.7
 Alkalinity: 14 mg/L
 Water temperature: 17.2°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.6	pH	0	GE
		Specific conductance	65	μ S/cm	0	GE
•		Turbidity	3.9	NTU	0	GE
		Acenaphthene	<10	μ g/L	0	GE
		Acenaphthylene	<10	μ g/L	0	GE
		Acetophenone	<10	μ g/L	0	GE
		Aldrin	<10	μ g/L	0	GE
		Aluminum	<20	μ g/L	0	GE
		Anthracene	<10	μ g/L	0	GE
		Antimony	<2.0	μ g/L	0	GE
		Arsenic	<2.0	μ g/L	0	GE
		Barium	44	μ g/L	0	GE
		Benzene	<1.0	μ g/L	0	GE
		alpha-Benzene hexachloride	<10	μ g/L	0	GE
		beta-Benzene hexachloride	<10	μ g/L	0	GE
		delta-Benzene hexachloride	<10	μ g/L	0	GE
		Benzidine	<10	μ g/L	0	GE
		Benzo[a]anthracene	<10	μ g/L	0	GE
		Benzo[a]pyrene	<10	μ g/L	0	GE
		Benzo[b]fluoranthene	<10	μ g/L	0	GE
		Benzo[g,h,i]perylene	<10	μ g/L	0	GE
		Benzo[k]fluoranthene	<10	μ g/L	0	GE
		Bis(2-chloroethoxy) methane	<10	μ g/L	0	GE
		Bis(2-chloroethyl) ether	<10	μ g/L	0	GE
		Bis(2-chloroisopropyl) ether	<10	μ g/L	0	GE
		Bis(2-ethylhexyl) phthalate	<10	μ g/L	0	GE
		Bromodichloromethane	<1.0	μ g/L	0	GE
		Bromoform	<1.0	μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	μ g/L	0	GE
		4-Bromophenyl phenyl ether	<10	μ g/L	0	GE
		Butylbenzyl phthalate	<10	μ g/L	0	GE
		Cadmium	<2.0	μ g/L	0	GE
		Calcium	4,680	μ g/L	0	GE
		Carbon tetrachloride	<1.0	μ g/L	0	GE
		Chlordane	<10	μ g/L	0	GE
		Chloride	2,050	μ g/L	0	GE
		para-Chloro-meta-cresol	<10	μ g/L	0	GE
		Chlorobenzene	<1.0	μ g/L	0	GE
		Chloroethane	<1.0	μ g/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 20D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		2-Chloronaphthalene	< 10	µg/L	0	GE
		2-Chlorophenol	< 10	µg/L	0	GE
		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Chrysene	< 10	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
		p,p'-DDD	< 10	µg/L	0	GE
		p,p'-DDE	< 10	µg/L	0	GE
		p,p'-DDT	< 10	µg/L	0	GE
		Di-n-butyl phthalate	< 10	µg/L	0	GE
		Di-n-octyl phthalate	< 10	µg/L	0	GE
		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.2	µg/L	0	GE
		2,4-Dichlorophenol	< 10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		Dieldrin	< 10	µg/L	0	GE
		Diethyl phthalate	< 10	µg/L	0	GE
		2,4-Dimethyl phenol	< 10	µg/L	0	GE
		Dimethyl phthalate	< 10	µg/L	0	GE
		2,4-Dinitrophenol	< 45	µg/L	0	GE
		2,4-Dinitrotoluene	< 10	µg/L	0	GE
		2,6-Dinitrotoluene	< 10	µg/L	0	GE
		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
		Endosulfan I	< 10	µg/L	0	GE
		Endosulfan II	< 10	µg/L	0	GE
		Endosulfan sulfate	< 10	µg/L	0	GE
		Endrin	< 10	µg/L	0	GE
		Endrin	< 0.0060	µg/L	0	GE
		Endrin aldehyde	< 10	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoranthene	< 10	µg/L	0	GE
		Fluorene	< 10	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Heptachlor	< 10	µg/L	0	GE
		Heptachlor epoxide	< 10	µg/L	0	GE
		Hexachlorobenzene	< 10	µg/L	0	GE
		Hexachlorobutadiene	< 10	µg/L	0	GE
		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
		Hexachloroethane	< 10	µg/L	0	GE
		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	26	µg/L	0	GE
		Isophorone	< 10	µg/L	0	GE

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WELL BGO 20D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Lead	4.9	µg/L	0	GE
		Lindane	<10	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	1,180	µg/L	0	GE
		Manganese	65	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
		N-Nitrosodimethylamine	<10	µg/L	0	GE
		N-Nitrosodiphenylamine	<10	µg/L	0	GE
		N-Nitrosodi-propylamine	<10	µg/L	0	GE
		Naphthalene	<10	µg/L	0	GE
		Nickel	13	µg/L	0	GE
		Nitrate as nitrogen	1,760	µg/L	0	GE
		Nitrobenzene	<10	µg/L	0	GE
		2-Nitrophenol	<10	µg/L	0	GE
		4-Nitrophenol	<10	µg/L	0	GE
		PCB 1016	<150	µg/L	0	GE
		PCB 1221	<150	µg/L	0	GE
		PCB 1232	<150	µg/L	0	GE
		PCB 1242	<150	µg/L	0	GE
		PCB 1248	<150	µg/L	0	GE
		PCB 1254	<150	µg/L	0	GE
		PCB 1260	<150	µg/L	0	GE
		Pentachlorophenol	<10	µg/L	0	GE
		Phenanthrene	<10	µg/L	0	GE
		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	2,020	µg/L	0	GE
		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	10,200	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	7,300	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	39,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	25	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<10	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 20D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Total alpha-emitting radium	1.4E+00 ± 4.0E-01	pCi/L	0	GE
	■	Tritium	2.1E+01 ± 8.0E-01	pCi/mL	2	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

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

FIELD MEASUREMENTS

Sample date: 03/23/92
 Depth to water: 50.17 ft (15.29 m) below TOC
 Water elevation: 235.23 ft (71.70 m) msl
 Sp. conductance: 117 µS/cm
 Water evacuated before sampling: 8 gal
 The well went dry during purging.

Time: 13:00
 pH: 5.1
 Alkalinity: 16 mg/L
 Water temperature: 18.3°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.0	pH	0	GE
		Specific conductance	98	µS/cm	0	GE
•		Turbidity	74	NTU	0	GE
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	< 20	µg/L	0	GE
•		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	17	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	< 10	µg/L	0	GE
•		beta-Benzene hexachloride	< 10	µg/L	0	GE
•		delta-Benzene hexachloride	< 10	µg/L	0	GE
•		Benzidine	< 10	µg/L	0	GE
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 21D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	1,460	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	4,940	µg/L	0	GE
		Chloride	4,900	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.9	µg/L	0	GE
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
		Endrin	< 0.0060	µg/L	0	GE
		Endrin	< 0.0060	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 21D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Ethylbenzene	< 1.0	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	35	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 10	µg/L	0	GE
		Lindane	< 0.0050	µg/L	0	GE
		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	196	µg/L	0	GE
		Manganese	12	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
		Methoxychlor	< 0.50	µg/L	0	GE
		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	3,900	µg/L	0	GE
		Nitrate as nitrogen	3,850	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	9,550	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	7,360	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	15,000	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 21D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Total dissolved solids	60,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	24	µg/L	0	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
		Toxaphene	< 0.24	µg/L	0	GE
		Toxaphene	< 0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	3.2E+00 ± 9.1E-01	pCi/L	0	GE
		Nonvolatile beta	5.5E+00 ± 1.2E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.7E+00 ± 5.0E-01	pCi/L	0	GE
■		Tritium	4.2E+01 ± 1.1E+00	pCi/mL	2	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 22D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N74482.2 E57817.3	33.284842 °N 81.659236 °W	214.2-194.2 ft msl	286.5 ft msl	4" PVC	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 03/23/92
 Depth to water: 53.18 ft (16.21 m) below TOC
 Water elevation: 233.32 ft (71.12 m) msl
 Sp. conductance: 31 µS/cm
 Water evacuated before sampling: 103 gal

Time: 11:05
 pH: 4.3
 Alkalinity: 1 mg/L
 Water temperature: 18.9°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.1	pH	0	GE
		Specific conductance	30	µS/cm	0	GE
•		Turbidity	1.5	NTU	0	GE
		Acenaphthene	< 10	µg/L	0	GE
		Acenaphthylene	< 10	µg/L	0	GE
		Acetophenone	< 10	µg/L	0	GE
		Aldrin	< 10	µg/L	0	GE
		Aluminum	< 20	µg/L	0	GE
		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 22D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Arsenic	<2.0	µg/L	0	GE
		Barium	10	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		alpha-Benzene hexachloride	<10	µg/L	0	GE
		beta-Benzene hexachloride	<10	µg/L	0	GE
		delta-Benzene hexachloride	<10	µg/L	0	GE
		Benzidine	<10	µg/L	0	GE
		Benzo[a]anthracene	<10	µg/L	0	GE
		Benzo[a]pyrene	<10	µg/L	0	GE
		Benzo[b]fluoranthene	<10	µg/L	0	GE
		Benzo[g,h,i]perylene	<10	µg/L	0	GE
		Benzo[k]fluoranthene	<10	µg/L	0	GE
		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,160	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chlordane	<10	µg/L	0	GE
		Chloride	1,640	µg/L	0	GE
		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		2-Chloronaphthalene	<10	µg/L	0	GE
		2-Chlorophenol	<10	µg/L	0	GE
		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chrysene	<10	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		p,p'-DDD	<10	µg/L	0	GE
		p,p'-DDE	<10	µg/L	0	GE
		p,p'-DDT	<10	µg/L	0	GE
		Di-n-butyl phthalate	<10	µg/L	0	GE
		Di-n-octyl phthalate	<10	µg/L	0	GE
		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	51	µg/L	0	GE
		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 22D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		Dieldrin	< 10	µg/L	0	GE
		Diethyl phthalate	< 10	µg/L	0	GE
		2,4-Dimethyl phenol	< 10	µg/L	0	GE
		Dimethyl phthalate	< 10	µg/L	0	GE
		2,4-Dinitrophenol	< 45	µg/L	0	GE
		2,4-Dinitrotoluene	< 10	µg/L	0	GE
		2,6-Dinitrotoluene	< 10	µg/L	0	GE
		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
		Endosulfan I	< 10	µg/L	0	GE
		Endosulfan II	< 10	µg/L	0	GE
		Endosulfan sulfate	< 10	µg/L	0	GE
		Endrin	< 10	µg/L	0	GE
		Endrin	< 0.0060	µg/L	0	GE
		Endrin aldehyde	< 10	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoranthene	< 10	µg/L	0	GE
		Fluorene	< 10	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Heptachlor	< 10	µg/L	0	GE
		Heptachlor epoxide	< 10	µg/L	0	GE
		Hexachlorobenzene	< 10	µg/L	0	GE
		Hexachlorobutadiene	< 10	µg/L	0	GE
		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
		Hexachloroethane	< 10	µg/L	0	GE
		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	< 4.0	µg/L	0	GE
		Isophorone	< 10	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
		Lindane	< 10	µg/L	0	GE
		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	598	µg/L	0	GE
		Manganese	8.6	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
		Methoxychlor	< 0.50	µg/L	0	GE
		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
		N-Nitrosodimethylamine	< 10	µg/L	0	GE
		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	1,980	µg/L	0	GE
		Nitrobenzene	< 10	µg/L	0	GE
		2-Nitrophenol	< 10	µg/L	0	GE
		4-Nitrophenol	< 10	µg/L	0	GE
		PCB 1016	< 150	µg/L	0	GE
		PCB 1221	< 150	µg/L	0	GE
		PCB 1232	< 150	µg/L	0	GE
		PCB 1242	< 150	µg/L	0	GE
		PCB 1248	< 150	µg/L	0	GE
		PCB 1254	< 150	µg/L	0	GE
		PCB 1260	< 150	µg/L	0	GE
		Pentachlorophenol	< 10	µg/L	0	GE
		Phenanthrene	< 10	µg/L	0	GE
		Phenol	< 10	µg/L	0	GE

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WELL BGO 22D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Phenols	< 5.0	µg/L	0	GE
		Potassium	< 500	µg/L	0	GE
		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	8,460	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	2,980	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	1.5	µg/L	0	GE
		Total dissolved solids	20,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	46	µg/L	1	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
		Toxaphene	< 10	µg/L	0	GE
		Toxaphene	< 0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	1.5	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.0E+00 ± 4.0E-01	pCi/L	0	GE
		Tritium	1.7E+01 ± 7.0E-01	pCi/mL	1	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 23D

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

FIELD MEASUREMENTS

Sample date: 03/23/92
 Depth to water: 52.91 ft (16.13 m) below TOC
 Water elevation: 236.29 ft (72.02 m) msl
 Sp. conductance: 39 µS/cm
 Water evacuated before sampling: 37 gal

Time: 10:20
 pH: 5.1
 Alkalinity: 4 mg/L
 Water temperature: 20.1 °C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.3	pH	0	GE
		Specific conductance	35	µS/cm	0	GE
		Specific conductance	35	µS/cm	0	GE
•		Turbidity	0.33	NTU	0	GE
		Acenaphthene	<10	µg/L	0	GE
		Acenaphthylene	<10	µg/L	0	GE
		Acetophenone	<10	µg/L	0	GE
		Aldrin	<10	µg/L	0	GE
		Aluminum	<20	µg/L	0	GE
		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	6.9	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		alpha-Benzene hexachloride	<10	µg/L	0	GE
		beta-Benzene hexachloride	<10	µg/L	0	GE
		delta-Benzene hexachloride	<10	µg/L	0	GE
		Benzidine	<10	µg/L	0	GE
		Benzo[a]anthracene	<10	µg/L	0	GE
		Benzo[a]pyrene	<10	µg/L	0	GE
		Benzo[b]fluoranthene	<10	µg/L	0	GE
		Benzo[g,h,i]perylene	<10	µg/L	0	GE
		Benzo[k]fluoranthene	<10	µg/L	0	GE
		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,080	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chlordane	<10	µg/L	0	GE
		Chloride	790	µg/L	0	GE
		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 23D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		2-Chloronaphthalene	<10	µg/L	0	GE
		2-Chlorophenol	<10	µg/L	0	GE
		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Chrysene	<10	µg/L	0	GE
		Copper	17	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		p,p'-DDD	<10	µg/L	0	GE
		p,p'-DDE	<10	µg/L	0	GE
		p,p'-DDT	<10	µg/L	0	GE
		Di-n-butyl phthalate	<10	µg/L	0	GE
		Di-n-octyl phthalate	<10	µg/L	0	GE
		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	3.2	µg/L	0	GE
		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Dieldrin	<10	µg/L	0	GE
		Diethyl phthalate	<10	µg/L	0	GE
		2,4-Dimethyl phenol	<10	µg/L	0	GE
		Dimethyl phthalate	<10	µg/L	0	GE
		2,4-Dinitrophenol	<45	µg/L	0	GE
		2,4-Dinitrotoluene	<10	µg/L	0	GE
		2,6-Dinitrotoluene	<10	µg/L	0	GE
		1,2-Diphenylhydrazine	<10	µg/L	0	GE
		Endosulfan I	<10	µg/L	0	GE
		Endosulfan II	<10	µg/L	0	GE
		Endosulfan sulfate	<10	µg/L	0	GE
		Endrin	<10	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoranthene	<10	µg/L	0	GE
		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Heptachlor	<10	µg/L	0	GE
		Heptachlor epoxide	<10	µg/L	0	GE
		Hexachlorobenzene	<10	µg/L	0	GE
		Hexachlorobutadiene	<10	µg/L	0	GE
		Hexachlorocyclopentadiene	<10	µg/L	0	GE
		Hexachloroethane	<10	µg/L	0	GE
		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 23D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Isophorone	< 10	µg/L	0	GE
		Lead	4.5	µg/L	0	GE
		Lindane	< 10	µg/L	0	GE
		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	327	µg/L	0	GE
		Manganese	6.9	µg/L	0	GE
■		Mercury	2.6	µg/L	2	GE
		Methoxychlor	< 0.50	µg/L	0	GE
		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
		N-Nitrosodimethylamine	< 10	µg/L	0	GE
		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	2,240	µg/L	0	GE
		Nitrobenzene	< 10	µg/L	0	GE
		2-Nitrophenol	< 10	µg/L	0	GE
		4-Nitrophenol	< 10	µg/L	0	GE
		PCB 1016	< 150	µg/L	0	GE
		PCB 1221	< 150	µg/L	0	GE
		PCB 1232	< 150	µg/L	0	GE
		PCB 1242	< 150	µg/L	0	GE
		PCB 1248	< 150	µg/L	0	GE
		PCB 1254	< 150	µg/L	0	GE
		PCB 1260	< 150	µg/L	0	GE
		Pentachlorophenol	< 10	µg/L	0	GE
		Phenanthrene	< 10	µg/L	0	GE
		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	1,540	µg/L	0	GE
		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	7,160	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	5,360	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	2.1	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	28,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	24	µg/L	0	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
		Toxaphene	< 10	µg/L	0	GE
		Toxaphene	< 0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	< 2.0E + 00	pCi/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 23D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
	■	Tritium	2.8E+01 ± 9.0E-01	pCi/mL	2	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 24D

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

FIELD MEASUREMENTS

Sample date: 03/23/92
 Depth to water: 55.69 ft (16.97 m) below TOC
 Water elevation: 237.51 ft (72.39 m) msl
 Sp. conductance: 78 µS/cm
 Water evacuated before sampling: 7 gal
 The well went dry during purging.

Time: 13:15
 pH: 8.8
 Alkalinity: 13 mg/L
 Water temperature: 18.1°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	9.7	pH	1	GE
•		pH	9.7	pH	1	GE
		Specific conductance	70	µS/cm	0	GE
•		Turbidity	108	NTU	0	GE
•		Turbidity	113	NTU	0	GE
		Acenaphthene	< 10	µg/L	0	GE
		Acenaphthylene	< 10	µg/L	0	GE
		Acetophenone	< 10	µg/L	0	GE
		Aldrin	< 10	µg/L	0	GE
		Aluminum	449	µg/L	2	GE
		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	16	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		alpha-Benzene hexachloride	< 10	µg/L	0	GE
		beta-Benzene hexachloride	< 10	µg/L	0	GE
		delta-Benzene hexachloride	< 10	µg/L	0	GE
		Benzidine	< 10	µg/L	0	GE
		Benzo[a]anthracene	< 10	µg/L	0	GE
		Benzo[a]pyrene	< 10	µg/L	0	GE
		Benzo[b]fluoranthene	< 10	µg/L	0	GE
		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
		Benzo[k]fluoranthene	< 10	µg/L	0	GE
		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 24D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	6,630	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Chlordane	< 10	µg/L	0	GE
		Chloride	1,580	µg/L	0	GE
		Chloride	1,600	µg/L	0	GE
		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		2-Chloronaphthalene	< 10	µg/L	0	GE
		2-Chlorophenol	< 10	µg/L	0	GE
		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Chrysene	< 10	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
		p,p'-DDD	< 10	µg/L	0	GE
		p,p'-DDE	< 10	µg/L	0	GE
		p,p'-DDT	< 10	µg/L	0	GE
		Di-n-butyl phthalate	< 10	µg/L	0	GE
		Di-n-octyl phthalate	< 10	µg/L	0	GE
		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.4	µg/L	0	GE
		Dichloromethane (Methylene chloride)	3.0	µg/L	0	GE
		2,4-Dichlorophenol	< 10	µg/L	0	GE

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WELL BGO 24D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Dieldrin	<10	µg/L	0	GE
		Diethyl phthalate	<10	µg/L	0	GE
		2,4-Dimethyl phenol	<10	µg/L	0	GE
		Dimethyl phthalate	<10	µg/L	0	GE
		2,4-Dinitrophenol	<45	µg/L	0	GE
		2,4-Dinitrotoluene	<10	µg/L	0	GE
		2,6-Dinitrotoluene	<10	µg/L	0	GE
		1,2-Diphenylhydrazine	<10	µg/L	0	GE
		Endosulfan I	<10	µg/L	0	GE
		Endosulfan II	<10	µg/L	0	GE
		Endosulfan sulfate	<10	µg/L	0	GE
		Endrin	<10	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoranthene	<10	µg/L	0	GE
		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Heptachlor	<10	µg/L	0	GE
		Heptachlor epoxide	<10	µg/L	0	GE
		Hexachlorobenzene	<10	µg/L	0	GE
		Hexachlorobutadiene	<10	µg/L	0	GE
		Hexachlorocyclopentadiene	<10	µg/L	0	GE
		Hexachloroethane	<10	µg/L	0	GE
		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<10	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	85	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
		N-Nitrosodimethylamine	<10	µg/L	0	GE
		N-Nitrosodiphenylamine	<10	µg/L	0	GE
		N-Nitrosodi-propylamine	<10	µg/L	0	GE
		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	790	µg/L	0	GE
		Nitrate as nitrogen	790	µg/L	0	GE
		Nitrobenzene	<10	µg/L	0	GE
		2-Nitrophenol	<10	µg/L	0	GE
		4-Nitrophenol	<10	µg/L	0	GE
		PCB 1016	<150	µg/L	0	GE

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WELL BGO 24D collected on 03/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		PCB 1221	< 150	µg/L	0	GE
		PCB 1232	< 150	µg/L	0	GE
		PCB 1242	< 150	µg/L	0	GE
		PCB 1248	< 150	µg/L	0	GE
		PCB 1254	< 150	µg/L	0	GE
		PCB 1260	< 150	µg/L	0	GE
		Pentachlorophenol	< 10	µg/L	0	GE
		Phenanthrene	< 10	µg/L	0	GE
		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	1,280	µg/L	0	GE
		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	7,500	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	7,800	µg/L	0	GE
		Sulfate	4,790	µg/L	0	GE
		Sulfate	4,830	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	59,000	µg/L	0	GE
		Total dissolved solids	54,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	21	µg/L	0	GE
		Total phosphates (as P)	80	µg/L	0	GE
		Total phosphates (as P)	90	µg/L	0	GE
		Toxaphene	< 10	µg/L	0	GE
		Toxaphene	< 0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	4.4E+00 ± 2.2E-01	pCi/L	0	GE
		Nonvolatile beta	5.3E+00 ± 2.3E-01	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
		Tritium	6.6E+00 ± 5.0E-01	pCi/mL	0	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 25A

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

FIELD MEASUREMENTS

Sample date: 01/17/92	Time: 13:05
Depth to water: 134.50 ft (41.00 m) below TOC	pH: 7.8
Water elevation: 162.00 ft (49.38 m) msl	Alkalinity: 107 mg/L
Sp. conductance: 260 µS/cm	Water temperature: 17.6°C
Water evacuated before sampling: 22 gal	
The well went dry during purging.	

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	7.8	pH	0	GE
		Specific conductance	219	µS/cm	0	GE
•		Turbidity	0.34	NTU	0	GE
•		Turbidity	0.32	NTU	0	GE
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	< 20	µg/L	0	GE
•		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	2.1	µg/L	0	GE
		Barium	37	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	< 10	µg/L	0	GE
•		beta-Benzene hexachloride	< 10	µg/L	0	GE
•		delta-Benzene hexachloride	< 10	µg/L	0	GE
•		Benzidine	< 10	µg/L	0	GE
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	45,600	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	2,420	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 25A collected on 01/17/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	4.9	µg/L	0	GE
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	5.9	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 25A collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Lead	<3.0	µg/L	0	GE
•		Lindane	<10	µg/L	0	GE
		Magnesium	804	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE
•		PCB 1260	<150	µg/L	0	GE
•		Pentachlorophenol	<10	µg/L	0	GE
•		Phenanthrene	<10	µg/L	0	GE
•		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	711	µg/L	0	GE
•		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	46,100	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,320	µg/L	0	GE
		Sulfate	8,110	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
•		Total dissolved solids	182,000	µg/L	0	GE
•		Total dissolved solids	185,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	298	µg/L	2	GE
		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<10	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Gross alpha	<2.0E + 00	pCi/L	0	GE
		Nonvolatile beta	<2.0E + 00	pCi/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 25A collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
		Tritium	< 7.0E-01	pCi/mL	0	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 26A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N76144.6	33.283945 °N	91.0-81.0 ft msl	287.2 ft msl	4" PVC	M. Congaree (IIA)
E55014.2	81.669846 °W				

FIELD MEASUREMENTS

Sample date: 01/22/92 Time: 10:30

Depth to water: 125.93 ft (38.38 m) below TOC

Water elevation: 161.27 ft (49.16 m) msl

Inaccessibility or pump failure prevented sample collection.

WELL BGO 26D

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

FIELD MEASUREMENTS

Sample date: 01/22/92

Time: 10:15

Depth to water: 55.94 ft (17.05 m) below TOC

pH: 5.2

Water elevation: 229.56 ft (69.97 m) msl

Alkalinity: 6 mg/L

Sp. conductance: 43 µS/cm

Water temperature: 17.9°C

Water evacuated before sampling: 9 gal

The well went dry during purging.

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.7	pH	0	GE
		Specific conductance	40	µS/cm	0	GE
		Turbidity	38	NTU	0	GE
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	24	µg/L	0	GE
•		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	13	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 26D collected on 01/22/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Benzene	<1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		Benzidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	2,580	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	2,490	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	146	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.1	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE

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WELL BGO 26D collected on 01/22/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
•		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
•		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
•		Iron	120	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
•		Lead	15	µg/L	1	GE
•		Lindane	<10	µg/L	0	GE
•		Magnesium	547	µg/L	0	GE
•		Manganese	11	µg/L	0	GE
•		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
•		Nickel	<4.0	µg/L	0	GE
•		Nitrate as nitrogen	1,090	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE
•		PCB 1260	<150	µg/L	0	GE
•		Pentachlorophenol	<10	µg/L	0	GE
•		Phenanthrene	<10	µg/L	0	GE
•		Phenol	<10	µg/L	0	GE
•		Phenols	<5.0	µg/L	0	GE
•		Potassium	<500	µg/L	0	GE
•		Pyrene	<10	µg/L	0	GE
•		Selenium	<2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 26D collected on 01/22/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Silica	8,870	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,400	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	36,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	12	µg/L	0	GE
		Total phosphates (as P)	160	µg/L	0	GE
•		Toxaphene	<10	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Antimony-125	<2.0E+01	pCi/L	0	GP
		Cerium-144	<6.0E+01	pCi/L	0	GP
		Cesium-134	<1.0E+01	pCi/L	0	GP
		Cesium-137	<1.0E+01	pCi/L	0	GP
		Cobalt-57	<1.0E+01	pCi/L	0	GP
		Cobalt-60	<1.0E+01	pCi/L	0	GP
		Europium-154	<2.0E+01	pCi/L	0	GP
		Europium-155	<3.0E+01	pCi/L	0	GP
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Manganese-54	<1.0E+01	pCi/L	0	GP
		Neptunium-237	<7.0E+01	pCi/L	0	GP
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		PM144	<1.0E+01	pCi/L	0	GP
		PM146	<1.0E+01	pCi/L	0	GP
		Potassium-40	<1.1E+02	pCi/L	0	GP
		Ruthenium-103	<1.0E+01	pCi/L	0	GP
		Radium-228 or Uranium-235	<2.1E+02	pCi/L	0	GP
		Sodium-22	<1.0E+01	pCi/L	0	GP
		Thorium-228	<7.5E+02	pCi/L	0	GP
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	5.0E+00 ± 2.0E-01	pCi/mL	0	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE
		Zinc-65	<2.0E+01	pCi/L	0	GP

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WELL BGO 27C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N75666.3 E54671.4	33.282328 °N 81.669820 °W	163.9-154.9 ft msl	276.0 ft msl	4" PVC	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 02/27/92
 Depth to water: 54.07 ft (16.48 m) below TOC
 Water elevation: 221.93 ft (67.65 m) msl
 Sp. conductance: 117 µS/cm
 Water evacuated before sampling: 176 gal

Time: 15:00
 pH: 7.5
 Alkalinity: 43 mg/L
 Water temperature: 19.0°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	7.0	pH	0	WA
•		pH	7.2	pH	0	WA
•		pH	7.4	pH	0	GE
•		pH	7.4	pH	0	GE
•		pH	7.5	pH	0	GE
		Specific conductance	100	µS/cm	0	WA
		Specific conductance	100	µS/cm	0	WA
		Specific conductance	92	µS/cm	0	WA
		Specific conductance	105	µS/cm	0	GE
		Specific conductance	112	µS/cm	0	GE
		Specific conductance	112	µS/cm	0	GE
		Turbidity	0.46	NTU	0	WA
		Turbidity	0.47	NTU	0	WA
		Turbidity	2.1	NTU	0	WA
		Turbidity	1.0	NTU	0	GE
		Turbidity	0.79	NTU	0	GE
		Turbidity	0.81	NTU	0	GE
		Acenaphthene	<11	µg/L	0	WA
		Acenaphthene	<22	µg/L	0	WA
		Acenaphthene	<11	µg/L	0	WA
		Acenaphthene	<10	µg/L	0	GE
		Acenaphthene	<10	µg/L	0	GE
		Acenaphthylene	<11	µg/L	0	WA
		Acenaphthylene	<22	µg/L	0	WA
		Acenaphthylene	<22	µg/L	0	WA
		Acenaphthylene	<11	µg/L	0	WA
		Acenaphthylene	<10	µg/L	0	GE
		Acenaphthylene	<10	µg/L	0	GE
		Acetophenone	<10	µg/L	0	GE
		Acetophenone	<10	µg/L	0	GE
		Aldrin	<10	µg/L	0	GE
		Aldrin	<10	µg/L	0	GE
		Aluminum	17	µg/L	0	WA
		Aluminum	16	µg/L	0	WA
		Aluminum	<20	µg/L	0	GE
		Aluminum	<20	µg/L	0	GE
		Anthracene	<11	µg/L	0	WA
		Anthracene	<22	µg/L	0	WA
		Anthracene	<22	µg/L	0	WA

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 27C collected on 02/27/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Anthracene	<11	µg/L	0	WA
		Anthracene	<10	µg/L	0	GE
		Anthracene	<10	µg/L	0	GE
		Antimony	<2.6	µg/L	0	WA
		Antimony	<2.6	µg/L	0	WA
		Antimony	<2.0	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	WA
		Arsenic	<2.0	µg/L	0	WA
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	<6.6	µg/L	0	WA
		Barium	<6.6	µg/L	0	WA
		Barium	3.5	µg/L	0	GE
		Barium	3.5	µg/L	0	GE
		Benzene	<5.0	µg/L	0	WA
		Benzene	<5.0	µg/L	0	WA
		Benzene	<1.0	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		alpha-Benzene hexachloride	<10	µg/L	0	GE
		alpha-Benzene hexachloride	<10	µg/L	0	GE
		beta-Benzene hexachloride	<10	µg/L	0	GE
		beta-Benzene hexachloride	<10	µg/L	0	GE
		delta-Benzene hexachloride	<10	µg/L	0	GE
		delta-Benzene hexachloride	<10	µg/L	0	GE
		Benzidine	<55	µg/L	0	WA
		Benzidine	<110	µg/L	0	WA
		Benzidine	<110	µg/L	0	WA
		Benzidine	<55	µg/L	0	WA
		Benzidine	<10	µg/L	0	GE
		Benzidine	<10	µg/L	0	GE
		Benzo[a]anthracene	<11	µg/L	0	WA
		Benzo[a]anthracene	<22	µg/L	0	WA
		Benzo[a]anthracene	<22	µg/L	0	WA
		Benzo[a]anthracene	<11	µg/L	0	WA
		Benzo[a]anthracene	<10	µg/L	0	GE
		Benzo[a]anthracene	<10	µg/L	0	GE
		Benzo[a]pyrene	<11	µg/L	0	WA
		Benzo[a]pyrene	<22	µg/L	0	WA
		Benzo[a]pyrene	<22	µg/L	0	WA
		Benzo[a]pyrene	<11	µg/L	0	WA
		Benzo[a]pyrene	<10	µg/L	0	GE
		Benzo[a]pyrene	<10	µg/L	0	GE
		Benzo[b]fluoranthene	<11	µg/L	0	WA
		Benzo[b]fluoranthene	<22	µg/L	0	WA
		Benzo[b]fluoranthene	<22	µg/L	0	WA
		Benzo[b]fluoranthene	<11	µg/L	0	WA
		Benzo[b]fluoranthene	<10	µg/L	0	GE
		Benzo[b]fluoranthene	<10	µg/L	0	GE
		Benzo[g,h,i]perylene	<11	µg/L	0	WA
		Benzo[g,h,i]perylene	<22	µg/L	0	WA
		Benzo[g,h,i]perylene	<22	µg/L	0	WA
		Benzo[g,h,i]perylene	<11	µg/L	0	WA
		Benzo[g,h,i]perylene	<10	µg/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 27C collected on 02/27/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
		Benzo[k]fluoranthene	< 11	µg/L	0	WA
		Benzo[k]fluoranthene	< 22	µg/L	0	WA
		Benzo[k]fluoranthene	< 22	µg/L	0	WA
		Benzo[k]fluoranthene	< 11	µg/L	0	WA
		Benzo[k]fluoranthene	< 10	µg/L	0	GE
		Benzo[k]fluoranthene	< 10	µg/L	0	GE
		Bis(2-chloroethoxy) methane	< 11	µg/L	0	WA
		Bis(2-chloroethoxy) methane	< 22	µg/L	0	WA
		Bis(2-chloroethoxy) methane	< 22	µg/L	0	WA
		Bis(2-chloroethoxy) methane	< 11	µg/L	0	WA
		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
		Bis(2-chloroethyl) ether	< 11	µg/L	0	WA
		Bis(2-chloroethyl) ether	< 22	µg/L	0	WA
		Bis(2-chloroethyl) ether	< 22	µg/L	0	WA
		Bis(2-chloroethyl) ether	< 11	µg/L	0	WA
		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
		Bis(2-chloroisopropyl) ether	< 11	µg/L	0	WA
		Bis(2-chloroisopropyl) ether	< 22	µg/L	0	WA
		Bis(2-chloroisopropyl) ether	< 22	µg/L	0	WA
		Bis(2-chloroisopropyl) ether	< 11	µg/L	0	WA
		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	< 11	µg/L	0	WA
		Bis(2-ethylhexyl) phthalate	< 22	µg/L	0	WA
		Bis(2-ethylhexyl) phthalate	< 22	µg/L	0	WA
		Bis(2-ethylhexyl) phthalate	< 11	µg/L	0	WA
		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 5.0	µg/L	0	WA
		Bromodichloromethane	< 5.0	µg/L	0	WA
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 5.0	µg/L	0	WA
		Bromoform	< 5.0	µg/L	0	WA
		Bromoform	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 10	µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10	µg/L	0	WA
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		4-Bromophenyl phenyl ether	< 11	µg/L	0	WA
		4-Bromophenyl phenyl ether	< 22	µg/L	0	WA
		4-Bromophenyl phenyl ether	< 22	µg/L	0	WA
		4-Bromophenyl phenyl ether	< 11	µg/L	0	WA
		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
		Butylbenzyl phthalate	< 11	µg/L	0	WA
		Butylbenzyl phthalate	< 22	µg/L	0	WA
		Butylbenzyl phthalate	< 22	µg/L	0	WA
		Butylbenzyl phthalate	< 11	µg/L	0	WA
		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	0.45	µg/L	0	WA

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WELL BGO 27C collected on 02/27/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Cadmium	<0.35	µg/L	0	WA
		Cadmium	<2.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	20,800	µg/L	0	WA
		Calcium	21,000	µg/L	0	WA
		Calcium	20,900	µg/L	0	GE
		Calcium	20,800	µg/L	0	GE
		Carbon tetrachloride	<5.0	µg/L	0	WA
		Carbon tetrachloride	<5.0	µg/L	0	WA
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chlordane	<10	µg/L	0	GE
		Chlordane	<10	µg/L	0	GE
		Chloride	1,250	µg/L	0	WA
		Chloride	1,480	µg/L	0	WA
		Chloride	1,720	µg/L	0	GE
		Chloride	1,690	µg/L	0	GE
		Chloride	1,780	µg/L	0	GE
		para-Chloro-meta-cresol	<11	µg/L	0	WA
		para-Chloro-meta-cresol	<22	µg/L	0	WA
		para-Chloro-meta-cresol	<11	µg/L	0	WA
		para-Chloro-meta-cresol	<10	µg/L	0	GE
		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<5.0	µg/L	0	WA
		Chlorobenzene	<5.0	µg/L	0	WA
		Chlorobenzene	<1.0	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<10	µg/L	0	WA
		Chloroethane	<10	µg/L	0	WA
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<10	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<10	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	µg/L	0	WA
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<5.0	µg/L	0	WA
		Chloroform	<5.0	µg/L	0	WA
		Chloroform	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<10	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	µg/L	0	WA
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		2-Chloronaphthalene	<11	µg/L	0	WA
		2-Chloronaphthalene	<22	µg/L	0	WA
		2-Chloronaphthalene	<22	µg/L	0	WA
		2-Chloronaphthalene	<11	µg/L	0	WA
		2-Chloronaphthalene	<10	µg/L	0	GE
		2-Chloronaphthalene	<10	µg/L	0	GE
		2-Chlorophenol	<11	µg/L	0	WA
		2-Chlorophenol	<22	µg/L	0	WA
		2-Chlorophenol	<11	µg/L	0	WA

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WELL BGO 27C collected on 02/27/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		2-Chlorophenol	< 10	µg/L	0	GE
		2-Chlorophenol	< 10	µg/L	0	GE
		4-Chlorophenyl phenyl ether	< 11	µg/L	0	WA
		4-Chlorophenyl phenyl ether	< 22	µg/L	0	WA
		4-Chlorophenyl phenyl ether	< 22	µg/L	0	WA
		4-Chlorophenyl phenyl ether	< 11	µg/L	0	WA
		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	3.1	µg/L	0	WA
		Chromium	2.4	µg/L	0	WA
		Chromium	< 4.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Chrysene	< 11	µg/L	0	WA
		Chrysene	< 22	µg/L	0	WA
		Chrysene	< 22	µg/L	0	WA
		Chrysene	< 11	µg/L	0	WA
		Chrysene	< 10	µg/L	0	GE
		Chrysene	< 10	µg/L	0	GE
		Copper	< 1.1	µg/L	0	WA
		Copper	< 1.1	µg/L	0	WA
		Copper	< 4.0	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	WA
		Cyanide	< 5.0	µg/L	0	WA
		Cyanide	< 5.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
		p,p'-DDD	< 10	µg/L	0	GE
		p,p'-DDD	< 10	µg/L	0	GE
		p,p'-DDE	< 10	µg/L	0	GE
		p,p'-DDE	< 10	µg/L	0	GE
		p,p'-DDT	< 10	µg/L	0	GE
		p,p'-DDT	< 10	µg/L	0	GE
		Di-n-butyl phthalate	< 11	µg/L	0	WA
		Di-n-butyl phthalate	< 22	µg/L	0	WA
		Di-n-butyl phthalate	< 22	µg/L	0	WA
		Di-n-butyl phthalate	< 11	µg/L	0	WA
		Di-n-butyl phthalate	< 10	µg/L	0	GE
		Di-n-butyl phthalate	< 10	µg/L	0	GE
		Di-n-octyl phthalate	< 11	µg/L	0	WA
		Di-n-octyl phthalate	< 22	µg/L	0	WA
		Di-n-octyl phthalate	< 22	µg/L	0	WA
		Di-n-octyl phthalate	< 11	µg/L	0	WA
		Di-n-octyl phthalate	< 10	µg/L	0	GE
		Di-n-octyl phthalate	< 10	µg/L	0	GE
		Dibenz[a,h]anthracene	< 11	µg/L	0	WA
		Dibenz[a,h]anthracene	< 22	µg/L	0	WA
		Dibenz[a,h]anthracene	< 22	µg/L	0	WA
		Dibenz[a,h]anthracene	< 11	µg/L	0	WA
		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 5.0	µg/L	0	WA
		Dibromochloromethane	< 5.0	µg/L	0	WA
		Dibromochloromethane	< 1.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,2-Dichlorobenzene	< 11	µg/L	0	WA

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WELL BGO 27C collected on 02/27/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,2-Dichlorobenzene	<22	µg/L	0	WA
		1,2-Dichlorobenzene	<22	µg/L	0	WA
		1,2-Dichlorobenzene	<11	µg/L	0	WA
		1,3-Dichlorobenzene	<11	µg/L	0	WA
		1,3-Dichlorobenzene	<22	µg/L	0	WA
		1,3-Dichlorobenzene	<22	µg/L	0	WA
		1,3-Dichlorobenzene	<11	µg/L	0	WA
		1,4-Dichlorobenzene	<11	µg/L	0	WA
		1,4-Dichlorobenzene	<22	µg/L	0	WA
		1,4-Dichlorobenzene	<11	µg/L	0	WA
		3,3'-Dichlorobenzidine	<22	µg/L	0	WA
		3,3'-Dichlorobenzidine	<44	µg/L	0	WA
		3,3'-Dichlorobenzidine	<44	µg/L	0	WA
		3,3'-Dichlorobenzidine	<22	µg/L	0	WA
		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<5.0	µg/L	0	WA
		1,1-Dichloroethane	<5.0	µg/L	0	WA
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<5.0	µg/L	0	WA
		1,2-Dichloroethane	<5.0	µg/L	0	WA
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<5.0	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	µg/L	0	WA
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<5.0	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	µg/L	0	WA
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<5.0	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		2,4-Dichlorophenol	<11	µg/L	0	WA
		2,4-Dichlorophenol	<22	µg/L	0	WA
		2,4-Dichlorophenol	<22	µg/L	0	WA
		2,4-Dichlorophenol	<11	µg/L	0	WA
		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.1	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<2.2	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<5.0	µg/L	0	WA
		1,2-Dichloropropane	<5.0	µg/L	0	WA
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	µg/L	0	WA
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE

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WELL BGO 27C collected on 02/27/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	µg/L	0	WA
		Dieldrin	<10	µg/L	0	GE
		Dieldrin	<10	µg/L	0	GE
		Diethyl phthalate	<11	µg/L	0	WA
		Diethyl phthalate	<22	µg/L	0	WA
		Diethyl phthalate	<22	µg/L	0	WA
		Diethyl phthalate	<11	µg/L	0	WA
		Diethyl phthalate	<10	µg/L	0	GE
		Diethyl phthalate	<10	µg/L	0	GE
		2,4-Dimethyl phenol	<11	µg/L	0	WA
		2,4-Dimethyl phenol	<22	µg/L	0	WA
		2,4-Dimethyl phenol	<22	µg/L	0	WA
		2,4-Dimethyl phenol	<11	µg/L	0	WA
		2,4-Dimethyl phenol	<10	µg/L	0	GE
		2,4-Dimethyl phenol	<10	µg/L	0	GE
		Dimethyl phthalate	<11	µg/L	0	WA
		Dimethyl phthalate	<22	µg/L	0	WA
		Dimethyl phthalate	<22	µg/L	0	WA
		Dimethyl phthalate	<11	µg/L	0	WA
		Dimethyl phthalate	<10	µg/L	0	GE
		Dimethyl phthalate	<10	µg/L	0	GE
		4,6-Dinitro-ortho-cresol	<55	µg/L	0	WA
		4,6-Dinitro-ortho-cresol	<110	µg/L	0	WA
		4,6-Dinitro-ortho-cresol	<110	µg/L	0	WA
		4,6-Dinitro-ortho-cresol	<55	µg/L	0	WA
		2,4-Dinitrophenol	<55	µg/L	0	WA
		2,4-Dinitrophenol	<110	µg/L	0	WA
		2,4-Dinitrophenol	<110	µg/L	0	WA
		2,4-Dinitrophenol	<55	µg/L	0	WA
		2,4-Dinitrophenol	<45	µg/L	0	GE
		2,4-Dinitrophenol	<45	µg/L	0	GE
		2,4-Dinitrotoluene	<11	µg/L	0	WA
		2,4-Dinitrotoluene	<22	µg/L	0	WA
		2,4-Dinitrotoluene	<11	µg/L	0	WA
		2,4-Dinitrotoluene	<10	µg/L	0	GE
		2,4-Dinitrotoluene	<10	µg/L	0	GE
		2,6-Dinitrotoluene	<11	µg/L	0	WA
		2,6-Dinitrotoluene	<22	µg/L	0	WA
		2,6-Dinitrotoluene	<22	µg/L	0	WA
		2,6-Dinitrotoluene	<11	µg/L	0	WA
		2,6-Dinitrotoluene	<10	µg/L	0	GE
		2,6-Dinitrotoluene	<10	µg/L	0	GE
		1,2-Diphenylhydrazine	<10	µg/L	0	GE
		1,2-Diphenylhydrazine	<10	µg/L	0	GE
		Endosulfan I	<10	µg/L	0	GE
		Endosulfan I	<10	µg/L	0	GE
		Endosulfan II	<10	µg/L	0	GE
		Endosulfan II	<10	µg/L	0	GE
		Endosulfan sulfate	<10	µg/L	0	GE
		Endosulfan sulfate	<10	µg/L	0	GE
		Endrin	<0.11	µg/L	0	WA
		Endrin	<0.22	µg/L	0	WA
		Endrin	<0.11	µg/L	0	WA
		Endrin	<10	µg/L	0	GE

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WELL BGO 27C collected on 02/27/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Endrin	< 10	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Endrin aldehyde	< 10	µg/L	0	GE
		Endrin aldehyde	< 10	µg/L	0	GE
		Ethylbenzene	< 5.0	µg/L	0	WA
		Ethylbenzene	< 5.0	µg/L	0	WA
		Ethylbenzene	< 1.0	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoranthene	< 11	µg/L	0	WA
		Fluoranthene	< 22	µg/L	0	WA
		Fluoranthene	< 22	µg/L	0	WA
		Fluoranthene	< 11	µg/L	0	WA
		Fluoranthene	< 10	µg/L	0	GE
		Fluoranthene	< 10	µg/L	0	GE
		Fluorene	< 11	µg/L	0	WA
		Fluorene	< 22	µg/L	0	WA
		Fluorene	< 22	µg/L	0	WA
		Fluorene	< 11	µg/L	0	WA
		Fluorene	< 10	µg/L	0	GE
		Fluorene	< 10	µg/L	0	GE
		Fluoride	107	µg/L	0	WA
		Fluoride	116	µg/L	0	WA
		Fluoride	144	µg/L	0	GE
		Fluoride	128	µg/L	0	GE
		Fluoride	131	µg/L	0	GE
		Heptachlor	< 10	µg/L	0	GE
		Heptachlor	< 10	µg/L	0	GE
		Heptachlor epoxide	< 10	µg/L	0	GE
		Heptachlor epoxide	< 10	µg/L	0	GE
		Hexachlorobenzene	< 11	µg/L	0	WA
		Hexachlorobenzene	< 22	µg/L	0	WA
		Hexachlorobenzene	< 22	µg/L	0	WA
		Hexachlorobenzene	< 11	µg/L	0	WA
		Hexachlorobenzene	< 10	µg/L	0	GE
		Hexachlorobenzene	< 10	µg/L	0	GE
		Hexachlorobutadiene	< 11	µg/L	0	WA
		Hexachlorobutadiene	< 22	µg/L	0	WA
		Hexachlorobutadiene	< 22	µg/L	0	WA
		Hexachlorobutadiene	< 11	µg/L	0	WA
		Hexachlorobutadiene	< 10	µg/L	0	GE
		Hexachlorobutadiene	< 10	µg/L	0	GE
		Hexachlorocyclopentadiene	< 11	µg/L	0	WA
		Hexachlorocyclopentadiene	< 22	µg/L	0	WA
		Hexachlorocyclopentadiene	< 22	µg/L	0	WA
		Hexachlorocyclopentadiene	< 11	µg/L	0	WA
		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
		Hexachloroethane	< 11	µg/L	0	WA
		Hexachloroethane	< 22	µg/L	0	WA
		Hexachloroethane	< 22	µg/L	0	WA
		Hexachloroethane	< 11	µg/L	0	WA
		Hexachloroethane	< 10	µg/L	0	GE
		Hexachloroethane	< 10	µg/L	0	GE
		Indeno[1,2,3-c,d]pyrene	< 11	µg/L	0	WA
		Indeno[1,2,3-c,d]pyrene	< 22	µg/L	0	WA

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WELL BGO 27C collected on 02/27/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Indeno[1,2,3-c,d]pyrene	< 22	µg/L	0	WA
		Indeno[1,2,3-c,d]pyrene	< 11	µg/L	0	WA
		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	8.5	µg/L	0	WA
		Iron	12	µg/L	0	WA
		Iron	< 4.0	µg/L	0	GE
		Iron	< 4.0	µg/L	0	GE
		Isophorone	< 11	µg/L	0	WA
		Isophorone	< 22	µg/L	0	WA
		Isophorone	< 22	µg/L	0	WA
		Isophorone	< 11	µg/L	0	WA
		Isophorone	< 10	µg/L	0	GE
		Isophorone	< 10	µg/L	0	GE
		Lead	< 2.0	µg/L	0	WA
		Lead	< 2.0	µg/L	0	WA
		Lead	< 3.0	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
		Lindane	< 0.056	µg/L	0	WA
		Lindane	< 0.11	µg/L	0	WA
		Lindane	< 0.056	µg/L	0	WA
		Lindane	< 10	µg/L	0	GE
		Lindane	< 10	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	298	µg/L	0	WA
		Magnesium	293	µg/L	0	WA
		Magnesium	295	µg/L	0	GE
		Magnesium	291	µg/L	0	GE
		Manganese	1.0	µg/L	0	WA
		Manganese	1.2	µg/L	0	WA
		Manganese	< 2.0	µg/L	0	GE
		Manganese	< 2.0	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	WA
		Mercury	< 0.20	µg/L	0	WA
		Mercury	< 0.20	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
		Methoxychlor	< 0.56	µg/L	0	WA
		Methoxychlor	< 1.1	µg/L	0	WA
		Methoxychlor	< 2.3	µg/L	0	WA
		Methoxychlor	< 0.56	µg/L	0	WA
•		Methoxychlor	< 0.50	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
		N-Nitrosodimethylamine	< 11	µg/L	0	WA
		N-Nitrosodimethylamine	< 22	µg/L	0	WA
		N-Nitrosodimethylamine	< 22	µg/L	0	WA
		N-Nitrosodimethylamine	< 11	µg/L	0	WA
		N-Nitrosodimethylamine	< 10	µg/L	0	GE
		N-Nitrosodimethylamine	< 10	µg/L	0	GE
		N-Nitrosodiphenylamine	< 11	µg/L	0	WA
		N-Nitrosodiphenylamine	< 22	µg/L	0	WA
		N-Nitrosodiphenylamine	< 22	µg/L	0	WA
		N-Nitrosodiphenylamine	< 11	µg/L	0	WA

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WELL BGO 27C collected on 02/27/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
		N-Nitrosodi-propylamine	< 11	µg/L	0	WA
		N-Nitrosodi-propylamine	< 22	µg/L	0	WA
		N-Nitrosodi-propylamine	< 11	µg/L	0	WA
		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
		Naphthalene	< 11	µg/L	0	WA
		Naphthalene	< 22	µg/L	0	WA
		Naphthalene	< 22	µg/L	0	WA
		Naphthalene	< 11	µg/L	0	WA
		Naphthalene	< 10	µg/L	0	GE
		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 3.1	µg/L	0	WA
		Nickel	< 3.1	µg/L	0	WA
		Nickel	< 4.0	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	1,120	µg/L	0	WA
		Nitrate as nitrogen	1,180	µg/L	0	WA
		Nitrate as nitrogen	1,050	µg/L	0	GE
		Nitrate as nitrogen	1,060	µg/L	0	GE
		Nitrobenzene	< 11	µg/L	0	WA
		Nitrobenzene	< 22	µg/L	0	WA
		Nitrobenzene	< 22	µg/L	0	WA
		Nitrobenzene	< 11	µg/L	0	WA
		Nitrobenzene	< 10	µg/L	0	GE
		Nitrobenzene	< 10	µg/L	0	GE
		2-Nitrophenol	< 11	µg/L	0	WA
		2-Nitrophenol	< 22	µg/L	0	WA
		2-Nitrophenol	< 22	µg/L	0	WA
		2-Nitrophenol	< 11	µg/L	0	WA
		2-Nitrophenol	< 10	µg/L	0	GE
		2-Nitrophenol	< 10	µg/L	0	GE
		4-Nitrophenol	< 55	µg/L	0	WA
		4-Nitrophenol	< 110	µg/L	0	WA
		4-Nitrophenol	< 55	µg/L	0	WA
		4-Nitrophenol	< 10	µg/L	0	GE
		4-Nitrophenol	< 10	µg/L	0	GE
		PCB 1016	< 150	µg/L	0	GE
		PCB 1016	< 150	µg/L	0	GE
		PCB 1221	< 150	µg/L	0	GE
		PCB 1221	< 150	µg/L	0	GE
		PCB 1232	< 150	µg/L	0	GE
		PCB 1232	< 150	µg/L	0	GE
		PCB 1242	< 150	µg/L	0	GE
		PCB 1242	< 150	µg/L	0	GE
		PCB 1248	< 150	µg/L	0	GE
		PCB 1248	< 150	µg/L	0	GE
		PCB 1254	< 150	µg/L	0	GE
		PCB 1254	< 150	µg/L	0	GE
		PCB 1260	< 150	µg/L	0	GE
		PCB 1260	< 150	µg/L	0	GE
		Pentachlorophenol	< 55	µg/L	0	WA
		Pentachlorophenol	< 110	µg/L	0	WA
		Pentachlorophenol	< 55	µg/L	0	WA
		Pentachlorophenol	< 10	µg/L	0	GE

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WELL BGO 27C collected on 02/27/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Pentachlorophenol	< 10	µg/L	0	GE
		Phenanthrene	< 11	µg/L	0	WA
		Phenanthrene	< 22	µg/L	0	WA
		Phenanthrene	< 22	µg/L	0	WA
		Phenanthrene	< 11	µg/L	0	WA
		Phenanthrene	< 10	µg/L	0	GE
		Phenanthrene	< 10	µg/L	0	GE
		Phenol	< 11	µg/L	0	WA
		Phenol	< 22	µg/L	0	WA
		Phenol	< 11	µg/L	0	WA
		Phenol	< 10	µg/L	0	GE
		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	WA
		Phenols	< 5.0	µg/L	0	WA
		Phenols	< 5.0	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	226	µg/L	0	WA
		Potassium	162	µg/L	0	WA
		Potassium	< 500	µg/L	0	GE
		Potassium	< 500	µg/L	0	GE
		Pyrene	< 11	µg/L	0	WA
		Pyrene	< 22	µg/L	0	WA
		Pyrene	< 11	µg/L	0	WA
		Pyrene	< 10	µg/L	0	GE
		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	WA
		Selenium	< 2.0	µg/L	0	WA
		Selenium	< 2.0	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	9,460	µg/L	0	GE
		Silica	9,450	µg/L	0	GE
		Silicon	4,300	µg/L	0	WA
		Silicon	4,340	µg/L	0	WA
		Silver	< 0.70	µg/L	0	WA
		Silver	< 0.70	µg/L	0	WA
		Silver	< 2.0	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	1,590	µg/L	0	WA
		Sodium	1,590	µg/L	0	WA
		Sodium	1,640	µg/L	0	GE
		Sodium	1,630	µg/L	0	GE
		Sulfate	< 2,500	µg/L	0	WA
		Sulfate	< 2,500	µg/L	0	WA
		Sulfate	< 1,000	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 5.0	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 5.0	µg/L	0	WA
		Tetrachloroethylene	< 5.0	µg/L	0	WA
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	1.9	µg/L	0	WA

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WELL BGO 27C collected on 02/27/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tin	< 1.9	µg/L	0	WA
		Tin	< 2.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 5.0	µg/L	0	WA
		Toluene	2.7	µg/L	0	WA
		Toluene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	88,000	µg/L	0	WA
		Total dissolved solids	73,000	µg/L	0	WA
		Total dissolved solids	75,000	µg/L	0	WA
		Total dissolved solids	73,000	µg/L	0	GE
		Total dissolved solids	70,000	µg/L	0	GE
		Total organic carbon	< 500	µg/L	0	WA
		Total organic carbon	546	µg/L	0	WA
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	70	µg/L	2	WA
		Total organic halogens	126	µg/L	2	WA
		Total organic halogens	< 5.0	µg/L	0	GE
		Total organic halogens	5.1	µg/L	0	GE
		Total phosphates (as P)	293	µg/L	0	WA
		Total phosphates (as P)	275	µg/L	0	WA
		Total phosphates (as P)	362	µg/L	0	WA
		Total phosphates (as P)	180	µg/L	0	GE
		Total phosphates (as P)	170	µg/L	0	GE
		Total phosphates (as P)	170	µg/L	0	GE
		Toxaphene	< 1.1	µg/L	0	WA
		Toxaphene	< 2.3	µg/L	0	WA
		Toxaphene	< 4.5	µg/L	0	WA
		Toxaphene	< 1.1	µg/L	0	WA
		Toxaphene	< 10	µg/L	0	GE
		Toxaphene	< 10	µg/L	0	GE
●		Toxaphene	< 0.24	µg/L	0	GE
●		Toxaphene	< 0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.56	µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.56	µg/L	0	WA
		2,4,5-TP (Silvex)	< 1.1	µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,2,4-Trichlorobenzene	< 11	µg/L	0	WA
		1,2,4-Trichlorobenzene	< 22	µg/L	0	WA
		1,2,4-Trichlorobenzene	< 11	µg/L	0	WA
		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 5.0	µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0	µg/L	0	WA
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 5.0	µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0	µg/L	0	WA
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
■		Trichloroethylene	16	µg/L	2	WA
■		Trichloroethylene	14	µg/L	2	WA
■		Trichloroethylene	14	µg/L	2	GE

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WELL BGO 27C collected on 02/27/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
■		Trichloroethylene	16	µg/L	2	GE
		Trichlorofluoromethane	<5.0	µg/L	0	WA
		Trichlorofluoromethane	5.8	µg/L	1	WA
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		2,4,6-Trichlorophenol	<11	µg/L	0	WA
		2,4,6-Trichlorophenol	<22	µg/L	0	WA
		2,4,6-Trichlorophenol	<22	µg/L	0	WA
		2,4,6-Trichlorophenol	<11	µg/L	0	WA
		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<0.88	µg/L	0	WA
		Vanadium	<0.88	µg/L	0	WA
		Vanadium	<8.0	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<4.0	µg/L	0	WA
		Xylenes	<4.0	µg/L	0	WA
		Xylenes	<2.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Antimony-125	<2.0E+01	pCi/L	0	GP
		Antimony-125	<2.0E+01	pCi/L	0	GP
		Cerium-144	<6.0E+01	pCi/L	0	GP
		Cerium-144	<6.0E+01	pCi/L	0	GP
		Cesium-134	<1.0E+01	pCi/L	0	GP
		Cesium-134	<1.0E+01	pCi/L	0	GP
		Cesium-137	<1.0E+01	pCi/L	0	GP
		Cesium-137	<1.0E+01	pCi/L	0	GP
		Cobalt-57	<1.0E+01	pCi/L	0	GP
		Cobalt-57	<1.0E+01	pCi/L	0	GP
		Cobalt-60	<1.0E+01	pCi/L	0	GP
		Cobalt-60	<1.0E+01	pCi/L	0	GP
		Europium-154	<2.0E+01	pCi/L	0	GP
		Europium-154	<2.0E+01	pCi/L	0	GP
		Europium-155	<3.0E+01	pCi/L	0	GP
		Europium-155	<3.0E+01	pCi/L	0	GP
		Gross alpha	<2.5E+00	pCi/L	0	BA
		Gross alpha	<1.3E+00	pCi/L	0	BA
		Gross alpha	2.0E-01 ± 2.5E+00	pCi/L	0	BA
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Manganese-54	<1.0E+01	pCi/L	0	GP
		Manganese-54	<1.0E+01	pCi/L	0	GP
		Neptunium-237	<7.0E+01	pCi/L	0	GP
		Neptunium-237	<7.0E+01	pCi/L	0	GP
		Nonvolatile beta	8.2E+00 ± 3.6E+00	pCi/L	0	BA
		Nonvolatile beta	2.1E+00 ± 1.7E+00	pCi/L	0	BA
		Nonvolatile beta	6.2E+00 ± 3.4E+00	pCi/L	0	BA
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		PM144	<1.0E+01	pCi/L	0	GP
		PM144	<1.0E+01	pCi/L	0	GP
		PM146	<1.0E+01	pCi/L	0	GP
		PM146	<1.0E+01	pCi/L	0	GP
		Potassium-40	<1.1E+02	pCi/L	0	GP
		Potassium-40	<1.1E+02	pCi/L	0	GP
		Radium-226	1.2E+00 ± 1.0E+00	pCi/L	0	BA
		Radium-226	<6.0E-01	pCi/L	0	BA

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WELL BGO 27C collected on 02/27/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Radium-228	6.0E-01 ± 3.0E + 00	pCi/L	0	BA
		Radium-228	< 1.8E + 00	pCi/L	0	BA
		Radium-228	3.0E-01 ± 3.0E + 00	pCi/L	0	BA
		Ruthenium-103	< 1.0E + 01	pCi/L	0	GP
		Ruthenium-103	< 1.0E + 01	pCi/L	0	GP
		Radium-228 or Uranium-235	< 2.1E + 02	pCi/L	0	GP
		Radium-228 or Uranium-235	< 2.1E + 02	pCi/L	0	GP
		Sodium-22	< 1.0E + 01	pCi/L	0	GP
		Sodium-22	< 1.0E + 01	pCi/L	0	GP
		Thorium-228	< 7.5E + 02	pCi/L	0	GP
		Thorium-228	< 7.5E + 02	pCi/L	0	GP
		Total alpha-emitting radium	< 1.0E + 00	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E + 00	pCi/L	0	GE
		Tritium	8.5E + 00 ± 5.0E-01	pCi/mL	0	BA
		Tritium	8.5E + 00 ± 5.0E-01	pCi/mL	0	BA
■		Tritium	6.1E + 01 ± 1.0E + 00	pCi/mL	2	BA
■		Tritium	6.1E + 01 ± 1.0E + 00	pCi/mL	2	BA
■		Tritium	6.0E + 01 ± 1.0E + 00	pCi/mL	2	BA
■		Tritium	6.1E + 01 ± 6.0E-01	pCi/mL	2	GE
■		Tritium	6.1E + 01 ± 6.0E-01	pCi/mL	2	GE
		Uranium-234	< 1.0E + 00	pCi/L	0	TE
		Uranium-234	< 1.0E + 00	pCi/L	0	TE
		Uranium-235	< 1.0E + 00	pCi/L	0	TE
		Uranium-235	< 1.0E + 00	pCi/L	0	TE
		Uranium-238	< 1.0E + 00	pCi/L	0	TE
		Uranium-238	< 1.0E + 00	pCi/L	0	TE
		Zinc-65	< 2.0E + 01	pCi/L	0	GP
		Zinc-65	< 2.0E + 01	pCi/L	0	GP

WELL BGO 27D

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

FIELD MEASUREMENTS

Sample date: 01/22/92
 Depth to water: 47.76 ft (14.56 m) below TOC
 Water elevation: 228.54 ft (69.66 m) msl
 Sp. conductance: 36 µS/cm
 Water evacuated before sampling: 12 gal
 The well went dry during purging.

Time: 11:00
 pH: 4.9
 Alkalinity: 1 mg/L
 Water temperature: 17.7°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.4	pH	0	GE
		Specific conductance	35	µS/cm	0	GE
		Turbidity	210	NTU	0	GE
		Turbidity	212	NTU	0	GE
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE

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WELL BGO 27D collected on 01/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Acetophenone	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	40	µg/L	0	GE
•		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	19	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	< 10	µg/L	0	GE
•		beta-Benzene hexachloride	< 10	µg/L	0	GE
•		delta-Benzene hexachloride	< 10	µg/L	0	GE
•		Benidine	< 10	µg/L	0	GE
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	1,510	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	2,170	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	47	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 27D collected on 01/22/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.2	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	1,050	µg/L	2	GE
•		Isophorone	<10	µg/L	0	GE
■		Lead	16	µg/L	2	GE
•		Lindane	<10	µg/L	0	GE
		Magnesium	1,100	µg/L	0	GE
		Manganese	35	µg/L	1	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
		Nickel	9.0	µg/L	0	GE
		Nitrate as nitrogen	1,740	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE

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WELL BGO 27D collected on 01/22/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	791	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	7,200	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	1,620	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	31,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	68	µg/L	2	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	6.8	µg/L	1	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Antimony-125	< 2.0E+01	pCi/L	0	GP
		Cerium-144	< 6.0E+01	pCi/L	0	GP
		Cesium-134	< 1.0E+01	pCi/L	0	GP
		Cesium-137	< 1.0E+01	pCi/L	0	GP
		Cobalt-57	< 1.0E+01	pCi/L	0	GP
		Cobalt-60	< 1.0E+01	pCi/L	0	GP
		Europium-154	< 2.0E+01	pCi/L	0	GP
		Europium-155	< 3.0E+01	pCi/L	0	GP
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Manganese-54	< 1.0E+01	pCi/L	0	GP
		Neptunium-237	< 7.0E+01	pCi/L	0	GP
		Nonvolatile beta	2.9E+00 ± 5.2E-01	pCi/L	0	GE
		PM144	< 1.0E+01	pCi/L	0	GP
		PM146	< 1.0E+01	pCi/L	0	GP
		Potassium-40	< 1.1E+02	pCi/L	0	GP
		Ruthenium-103	< 1.0E+01	pCi/L	0	GP
		Radium-228 or Uranium-235	< 2.1E+02	pCi/L	0	GP
		Sodium-22	< 1.0E+01	pCi/L	0	GP
		Thorium-228	< 7.5E+02	pCi/L	0	GP
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
■		Tritium	1.3E+02 ± 9.0E-01	pCi/mL	2	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE
		Zinc-65	< 2.0E+01	pCi/L	0	GP

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WELL BGO 28D

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

FIELD MEASUREMENTS

Sample date: 01/21/92
 Depth to water: 50.30 ft (15.33 m) below TOC
 Water elevation: 227.10 ft (69.22 m) msl
 Sp. conductance: 75 µS/cm
 Water evacuated before sampling: 9 gal
 The well went dry during purging.

Time: 13:30
 pH: 5.3
 Alkalinity: 9 mg/L
 Water temperature: 19.2°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.7	pH	0	GE
		Specific conductance	60	µS/cm	0	GE
•		Turbidity	102	NTU	0	GE
•		Acenaphthene	<10	µg/L	0	GE
•		Acenaphthylene	<10	µg/L	0	GE
•		Acetophenone	<10	µg/L	0	GE
•		Aldrin	<10	µg/L	0	GE
		Aluminum	44	µg/L	0	GE
•		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	16	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		Benzidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	2,870	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	6,950	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 28D collected on 01/21/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	6.8	µg/L	0	GE
•		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.1	µg/L	0	GE
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	576	µg/L	2	GE
•		Isophorone	< 10	µg/L	0	GE
		Lead	10	µg/L	1	GE

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WELL BGO 28D collected on 01/21/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Lindane	< 10	µg/L	0	GE
		Magnesium	559	µg/L	0	GE
		Manganese	68	µg/L	2	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	13	µg/L	0	GE
		Nitrate as nitrogen	780	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	1,470	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	8,460	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	6,810	µg/L	0	GE
		Sulfate	3,080	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	1.5E + 06	µg/L	0	GE
		Total organic carbon	1,000	µg/L	0	GE
•		Total organic halogens	502	µg/L	2	GE
		Total phosphates (as P)	50	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Antimony-125	< 2.0E + 01	pCi/L	0	GP
		Cerium-144	< 6.0E + 01	pCi/L	0	GP
		Cesium-134	< 1.0E + 01	pCi/L	0	GP
		Cesium-137	< 1.0E + 01	pCi/L	0	GP
		Cobalt-57	< 1.0E + 01	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 28D collected on 01/21/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Cobalt-60	< 1.0E+01	pCi/L	0	GP
		Europium-154	< 2.0E+01	pCi/L	0	GP
		Europium-155	< 3.0E+01	pCi/L	0	GP
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Manganese-54	< 1.0E+01	pCi/L	0	GP
		Neptunium-237	< 7.0E+01	pCi/L	0	GP
		Nonvolatile beta	2.4E+00 ± 5.5E-01	pCi/L	0	GE
		PM144	< 1.0E+01	pCi/L	0	GP
		PM146	< 1.0E+01	pCi/L	0	GP
		Potassium-40	< 1.1E+02	pCi/L	0	GP
		Ruthenium-103	< 1.0E+01	pCi/L	0	GP
		Radium-228 or Uranium-235	< 2.1E+02	pCi/L	0	GP
		Sodium-22	< 1.0E+01	pCi/L	0	GP
		Thorium-228	< 7.5E+02	pCi/L	0	GP
		Total alpha-emitting radium	2.0E+00 ± 5.0E-01	pCi/L	0	GE
■		Tritium	9.2E+04 ± 2.4E+01	pCi/mL	2	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE
		Zinc-65	< 2.0E+01	pCi/L	0	GP

WELL BGO 29A

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

FIELD MEASUREMENTS

Sample date: 01/21/92
 Depth to water: 103.96 ft (31.69 m) below TOC
 Water elevation: 160.24 ft (48.84 m) msl
 Sp. conductance: 107 µS/cm
 Water evacuated before sampling: 42 gal
 The well went dry during purging.

Time: 15:10
 pH: 9.2
 Alkalinity: 43 mg/L
 Water temperature: 18.2°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	7.6	pH	0	GE
		Specific conductance	105	µS/cm	0	GE
		Turbidity	6.8	NTU	0	GE
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	< 20	µg/L	0	GE
•		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	22	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 29A collected on 01/21/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		Benzidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	23,100	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	1,660	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	5.0	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 29A collected on 01/21/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE
•		Ethylbenzene	< 1.0	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
•		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
•		Iron	< 4.0	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE
•		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
•		Lindane	< 10	µg/L	0	GE
•		Magnesium	483	µg/L	0	GE
•		Manganese	2.4	µg/L	0	GE
•		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
•		Nickel	< 4.0	µg/L	0	GE
•		Nitrate as nitrogen	820	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
•		Phenols	< 5.0	µg/L	0	GE
•		Potassium	< 500	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
•		Selenium	< 2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 29A collected on 01/21/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Silica	13,700	µg/L	0	GE
		Silvex	<2.0	µg/L	0	GE
		Sodium	2,270	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	63,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	30	µg/L	1	GE
		Total phosphates (as P)	190	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
•		Toxaphene	<10	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	1.9	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Antimony-125	<2.0E+01	pCi/L	0	GP
		Cerium-144	<6.0E+01	pCi/L	0	GP
		Cesium-134	<1.0E+01	pCi/L	0	GP
		Cesium-137	<1.0E+01	pCi/L	0	GP
		Cobalt-57	<1.0E+01	pCi/L	0	GP
		Cobalt-60	<1.0E+01	pCi/L	0	GP
		Europium-154	<2.0E+01	pCi/L	0	GP
		Europium-155	<3.0E+01	pCi/L	0	GP
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Manganese-54	<1.0E+01	pCi/L	0	GP
		Neptunium-237	<7.0E+01	pCi/L	0	GP
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		PM144	<1.0E+01	pCi/L	0	GP
		PM146	<1.0E+01	pCi/L	0	GP
		Potassium-40	<1.1E+02	pCi/L	0	GP
		Ruthenium-103	<1.0E+01	pCi/L	0	GP
		Radium-228 or Uranium-235	<2.1E+02	pCi/L	0	GP
		Sodium-22	<1.0E+01	pCi/L	0	GP
		Thorium-228	<7.5E+02	pCi/L	0	GP
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	7.6E+00 ± 3.0E-01	pCi/mL	0	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE
		Zinc-65	<2.0E+01	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 29C

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

FIELD MEASUREMENTS

Sample date: 01/21/92	Time: 14:55
Depth to water: 41.54 ft (12.66 m) below TOC	pH: 5.2
Water elevation: 223.26 ft (68.05 m) msl	Alkalinity: 3 mg/L
Sp. conductance: 36 µS/cm	Water temperature: 18.1°C
Water evacuated before sampling: 28 gal	
The well went dry during purging.	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.8	pH	0	GE
		Specific conductance	35	µS/cm	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	12	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,630	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chloride	2,050	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.9	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	9.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
		Magnesium	610	µg/L	0	GE
		Manganese	10	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 29C collected on 01/21/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	1,200	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	9,000	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,870	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	21,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	47	µg/L	1	GE
		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	1.4	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
■		Tritium	1.2E+02 ± 9.0E-01	pCi/mL	2	GE

WELL BGO 29C

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

FIELD MEASUREMENTS

Sample date: 03/10/92
 Depth to water: 41.58 ft (12.67 m) below TOC
 Water elevation: 223.22 ft (68.04 m) msl
 Sp. conductance: 35 µS/cm
 Water evacuated before sampling: 28 gal
 The well went dry during purging.

Time: 9:20
 pH: 4.3
 Alkalinity: 1 mg/L
 Water temperature: 18.5°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 29D

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

FIELD MEASUREMENTS

Sample date: 01/21/92
 Depth to water: 38.44 ft (11.72 m) below TOC
 Water elevation: 227.06 ft (69.21 m) msl
 Sp. conductance: 86 µS/cm
 Water evacuated before sampling: 9 gal
 The well went dry during purging.

Time: 14:35
 pH: 5.5
 Alkalinity: 2 mg/L
 Water temperature: 18.2°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.1	pH	0	GE
		Specific conductance	80	µS/cm	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	31	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	5,320	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chloride	3,190	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	1.1	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	4.4	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	47	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
		Magnesium	832	µg/L	0	GE
		Manganese	116	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 29D collected on 01/21/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Nickel	14	µg/L	0	GE
		Nitrate as nitrogen	720	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	1,210	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	12,900	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	5,850	µg/L	0	GE
		Sulfate	11,100	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	49,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	51	µg/L	2	GE
		Total phosphates (as P)	90	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		Gross alpha	2.9E + 00 ± 5.2E-01	pCi/L	0	GE
		Nonvolatile beta	3.9E + 00 ± 6.3E-01	pCi/L	0	GE
		Total alpha-emitting radium	2.9E + 00 ± 6.0E-01	pCi/L	1	GE
		Tritium	8.9E + 00 ± 3.0E-01	pCi/mL	0	GE

WELL BGO 29D

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

FIELD MEASUREMENTS

Sample date: 03/10/92
 Depth to water: 38.71 ft (11.80 m) below TOC
 Water elevation: 226.79 ft (69.13 m) msl
 Sp. conductance: 90 µS/cm
 Water evacuated before sampling: 10 gal
 The well went dry during purging.

Time: 9:30
 pH: 4.7
 Alkalinity: 7 mg/L
 Water temperature: 18.6°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	< 1.0E + 00	pCi/L	0	TE
		Uranium-235	< 1.0E + 00	pCi/L	0	TE
		Uranium-238	< 1.0E + 00	pCi/L	0	TE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 30C

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

FIELD MEASUREMENTS

Sample date: 01/21/92
 Depth to water: 54.36 ft (16.57 m) below TOC
 Water elevation: 220.14 ft (67.10 m) msl
 Sp. conductance: 70 µS/cm
 Water evacuated before sampling: 23 gal
 The well went dry during purging.

Time: 12:25
 pH: 6.6
 Alkalinity: 24 mg/L
 Water temperature: 19.4°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.4	pH	0	GE
		Specific conductance	50	µS/cm	0	GE
•		Turbidity	90	NTU	0	GE
•		Acenaphthene	<10	µg/L	0	GE
•		Acenaphthylene	<10	µg/L	0	GE
•		Acetophenone	<10	µg/L	0	GE
•		Aldrin	<10	µg/L	0	GE
		Aluminum	<20	µg/L	0	GE
•		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	13	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		Benzidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	3,240	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	2,440	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 30C collected on 01/21/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	2.3	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.6	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
•		Fluoride	144	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	19	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE

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WELL BGO 30C collected on 01/21/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Lindane	<10	µg/L	0	GE
		Magnesium	221	µg/L	0	GE
		Manganese	12	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	460	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE
•		PCB 1260	<150	µg/L	0	GE
•		Pentachlorophenol	<10	µg/L	0	GE
•		Phenanthrene	<10	µg/L	0	GE
•		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	1,660	µg/L	0	GE
•		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	9,210	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	4,770	µg/L	0	GE
		Sulfate	1,590	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	2.2	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	39,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	11	µg/L	0	GE
		Total phosphates (as P)	1,150	µg/L	0	GE
•		Toxaphene	<10	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
	■	Trichloroethylene	7.1	µg/L	2	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Antimony-125	<2.0E+01	pCi/L	0	GP
		Cerium-144	<6.0E+01	pCi/L	0	GP
		Cesium-134	<1.0E+01	pCi/L	0	GP
		Cesium-137	<1.0E+01	pCi/L	0	GP
		Cobalt-57	<1.0E+01	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 30C collected on 01/21/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Cobalt-60	<1.0E+01	pCi/L	0	GP
		Europium-154	<2.0E+01	pCi/L	0	GP
		Europium-155	<3.0E+01	pCi/L	0	GP
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Manganese-54	<1.0E+01	pCi/L	0	GP
		Neptunium-237	<7.0E+01	pCi/L	0	GP
		Nonvolatile beta	3.3E+00 ± 5.7E-01	pCi/L	0	GE
		PM144	<1.0E+01	pCi/L	0	GP
		PM146	<1.0E+01	pCi/L	0	GP
		Potassium-40	<1.1E+02	pCi/L	0	GP
		Ruthenium-103	<1.0E+01	pCi/L	0	GP
		Radium-228 or Uranium-235	<2.1E+02	pCi/L	0	GP
		Sodium-22	<1.0E+01	pCi/L	0	GP
		Thorium-228	<7.5E+02	pCi/L	0	GP
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
■		Tritium	6.6E+02 ± 2.1E+00	pCi/mL	2	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE
		Zinc-65	<2.0E+01	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>Formation</u>
N75187.7 E54499.2	33.280988 °N 81.669343 °W	227.8-207.8 ft msl	274.8 ft msl	4" PVC	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/21/92
 Depth to water: 48.27 ft (14.71 m) below TOC
 Water elevation: 226.53 ft (69.05 m) msl
 Sp. conductance: 96 µS/cm
 Water evacuated before sampling: 12 gal
 The well went dry during purging.

Time: 12:50
 pH: 6.0
 Alkalinity: 14 mg/L
 Water temperature: 19.6°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
●		pH	5.7	pH	0	GE
		Specific conductance	90	µS/cm	0	GE
●		Turbidity	9.7	NTU	0	GE
●		Acenaphthene	<10	µg/L	0	GE
●		Acenaphthylene	<10	µg/L	0	GE
●		Acetophenone	<10	µg/L	0	GE
●		Aldrin	<10	µg/L	0	GE
		Aluminum	64	µg/L	0	GE
●		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	46	µg/L	0	GE
		Benzene	<2.5	µg/L	0	GE
●		alpha-Benzene hexachloride	<10	µg/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 30D collected on 01/21/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		beta-Benzene hexachloride	< 10	µg/L	0	GE
•		delta-Benzene hexachloride	< 10	µg/L	0	GE
•		Benzidine	< 10	µg/L	0	GE
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 2.5	µg/L	0	GE
		Bromoform	< 2.5	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 2.5	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	5,550	µg/L	0	GE
		Carbon tetrachloride	< 2.5	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	13,800	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 2.5	µg/L	0	GE
		Chloroethane	< 2.5	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 2.5	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 2.5	µg/L	0	GE
		Chloroform	14	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 2.5	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	11	µg/L	0	GE
•		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 2.5	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	82	µg/L	2	GE
		1,2-Dichloroethane	< 2.5	µg/L	0	GE
■		1,1-Dichloroethylene	19	µg/L	2	GE
		trans-1,2-Dichloroethylene	< 2.5	µg/L	0	GE
		Dichloromethane (Methylene chloride)	6.9	µg/L	0	GE
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 2.5	µg/L	0	GE
		cis-1,3-Dichloropropene	< 2.5	µg/L	0	GE
		trans-1,3-Dichloropropene	< 2.5	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 30D collected on 01/21/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE
•		Ethylbenzene	< 2.5	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
•		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
•		Iron	225	µg/L	1	GE
•		Isophorone	< 10	µg/L	0	GE
•	■	Lead	20	µg/L	2	GE
•		Lindane	< 10	µg/L	0	GE
•		Magnesium	652	µg/L	0	GE
•		Manganese	56	µg/L	2	GE
•		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 2.5	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
•		Nickel	17	µg/L	0	GE
•	■	Nitrate as nitrogen	222,000	µg/L	2	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
•		Phenols	< 5.0	µg/L	0	GE
•		Potassium	552	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
•		Selenium	< 2.0	µg/L	0	GE
•		Silica	8,330	µg/L	0	GE
•		Silver	< 2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 30D collected on 01/21/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Sodium	10,900	µg/L	0	GE
		Sulfate	1,040	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 2.5	µg/L	0	GE
		Tetrachloroethylene	< 2.5	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 2.5	µg/L	0	GE
•		Total dissolved solids	84,000	µg/L	0	GE
		Total organic carbon	2,000	µg/L	0	GE
•		Total organic halogens	428	µg/L	2	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 2.5	µg/L	0	GE
		1,1,2-Trichloroethane	< 2.5	µg/L	0	GE
■		Trichloroethylene	39	µg/L	2	GE
		Trichlorofluoromethane	< 2.5	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 5.0	µg/L	0	GE
		Gross alpha	3.1E+00 ± 5.3E-01	pCi/L	0	GE
		Nonvolatile beta	5.0E+00 ± 6.6E-01	pCi/L	0	GE
		Total alpha-emitting radium	3.8E+00 ± 6.0E-01	pCi/L	1	GE
■		Tritium	4.7E+04 ± 1.7E+01	pCi/mL	2	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

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

FIELD MEASUREMENTS

Sample date: 01/21/92
 Depth to water: 46.69 ft (14.23 m) below TOC
 Water elevation: 226.41 ft (69.01 m) msl
 Sp. conductance: 31 µS/cm
 Water evacuated before sampling: 30 gal
 The well went dry during purging.

Time: 11:30
 pH: 5.8
 Alkalinity: 5 mg/L
 Water temperature: 18.9°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.8	pH	0	GE
		Specific conductance	20	µS/cm	0	GE
•		Turbidity	41	NTU	0	GE
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 31C collected on 01/21/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Aluminum	<20	µg/L	0	GE
•		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	7.3	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		Benzidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,560	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	2,160	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	1.1	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
•		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.6	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 31C collected on 01/21/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indenol 1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	19	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 10	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	459	µg/L	0	GE
		Manganese	8.2	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	1,040	µg/L	0	GE
		Nitrate as nitrogen	1,030	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE

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WELL BGO 31C collected on 01/21/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		PCB 1260	<150	µg/L	0	GE
•		Pentachlorophenol	<10	µg/L	0	GE
•		Phenanthrene	<10	µg/L	0	GE
•		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
•		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	8,330	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,630	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	2.1	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
•		Total dissolved solids	39,000	µg/L	0	GE
		Total organic carbon	2,000	µg/L	0	GE
•		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<10	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	4.1	µg/L	1	GE
		Trichlorofluoroethane	<1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Antimony-125	<2.0E+01	pCi/L	0	GP
		Cerium-144	<6.0E+01	pCi/L	0	GP
		Cesium-134	<1.0E+01	pCi/L	0	GP
		Cesium-137	<1.0E+01	pCi/L	0	GP
		Cobalt-57	<1.0E+01	pCi/L	0	GP
		Cobalt-60	<1.0E+01	pCi/L	0	GP
		Europium-154	<2.0E+01	pCi/L	0	GP
		Europium-155	<3.0E+01	pCi/L	0	GP
		Gross alpha	2.7E+00 ± 4.6E-01	pCi/L	0	GE
		Manganese-54	<1.0E+01	pCi/L	0	GP
		Neptunium-237	<7.0E+01	pCi/L	0	GP
		Nonvolatile beta	3.1E+00 ± 5.1E-01	pCi/L	0	GE
		PM144	<1.0E+01	pCi/L	0	GP
		PM146	<1.0E+01	pCi/L	0	GP
		Potassium-40	<1.1E+02	pCi/L	0	GP
		Ruthenium-103	<1.0E+01	pCi/L	0	GP
		Radium-228 or Uranium-235	<2.1E+02	pCi/L	0	GP
		Sodium-22	<1.0E+01	pCi/L	0	GP
		Thorium-228	<7.5E+02	pCi/L	0	GP
		Total alpha-emitting radium	1.5E+00 ± 4.0E-01	pCi/L	0	GE
■		Tritium	3.5E+03 ± 4.6E+00	pCi/mL	2	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 31C collected on 01/21/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-238	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE
		Zinc-65	< 2.0E+01	pCi/L	0	GP

WELL BGO 31D

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

FIELD MEASUREMENTS

Sample date: 01/21/92
 Depth to water: 46.21 ft (14.08 m) below TOC
 Water elevation: 227.49 ft (69.34 m) msl
 Sp. conductance: 35 µS/cm
 Water evacuated before sampling: 10 gal
 The well went dry during purging.

Time: 11:15
 pH: 4.9
 Alkalinity: 0 mg/L
 Water temperature: 19.2°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.3	pH	0	GE
		Specific conductance	31	µS/cm	0	GE
		Turbidity	126	NTU	0	GE
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	35	µg/L	0	GE
•		Anthracene	< 10	µg/L	0	GE
		Antimony	2.5	µg/L	1	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	6.8	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	< 10	µg/L	0	GE
•		beta-Benzene hexachloride	< 10	µg/L	0	GE
•		delta-Benzene hexachloride	< 10	µg/L	0	GE
•		Benidine	< 10	µg/L	0	GE
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 31D collected on 01/21/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	541	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	3,320	µg/L	0	GE
		Chloride	3,520	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	7.3	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	5.5	µg/L	0	GE
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 31D collected on 01/21/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
•		Iron	29	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
•		Lead	<3.0	µg/L	0	GE
•		Lindane	<10	µg/L	0	GE
		Magnesium	1,390	µg/L	0	GE
		Manganese	9.1	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	1,150	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE
•		PCB 1260	<150	µg/L	0	GE
•		Pentachlorophenol	<10	µg/L	0	GE
•		Phenanthrene	<10	µg/L	0	GE
•		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
•		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	7,470	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,420	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	16,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	51	µg/L	2	GE
		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<10	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 31D collected on 01/21/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	23	µg/L	2	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Antimony-125	< 2.0E+01	pCi/L	0	GP
		Cerium-144	< 6.0E+01	pCi/L	0	GP
		Cesium-134	< 1.0E+01	pCi/L	0	GP
		Cesium-137	< 1.0E+01	pCi/L	0	GP
		Cobalt-57	< 1.0E+01	pCi/L	0	GP
		Cobalt-60	< 1.0E+01	pCi/L	0	GP
		Europium-154	< 2.0E+01	pCi/L	0	GP
		Europium-155	< 3.0E+01	pCi/L	0	GP
		Gross alpha	3.4E+00 ± 5.5E-01	pCi/L	0	GE
		Manganese-54	< 1.0E+01	pCi/L	0	GP
		Neptunium-237	< 7.0E+01	pCi/L	0	GP
		Nonvolatile beta	2.4E+00 ± 5.4E-01	pCi/L	0	GE
		PM144	< 1.0E+01	pCi/L	0	GP
		PM146	< 1.0E+01	pCi/L	0	GP
		Potassium-40	< 1.1E+02	pCi/L	0	GP
		Ruthenium-103	< 1.0E+01	pCi/L	0	GP
		Radium-228 or Uranium-235	< 2.1E+02	pCi/L	0	GP
		Sodium-22	< 1.0E+01	pCi/L	0	GP
		Thorium-228	< 7.5E+02	pCi/L	0	GP
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
■		Tritium	5.4E+02 ± 1.8E+00	pCi/mL	2	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE
		Zinc-65	< 2.0E+01	pCi/L	0	GP

WELL BGO 32D

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

FIELD MEASUREMENTS

Sample date: 01/21/92
 Depth to water: 53.09 ft (16.18 m) below TOC
 Water elevation: 228.61 ft (69.68 m) msl
 Sp. conductance: 72 µS/cm
 Water evacuated before sampling: 8 gal
 The well went dry during purging.

Time: 10:40
 pH: 4.5
 Alkalinity: 0 mg/L
 Water temperature: 17.7°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	4.9	pH	0	GE
		Specific conductance	50	µS/cm	0	GE
•		Turbidity	79	NTU	0	GE
•		Acenaphthene	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 32D collected on 01/21/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	185	µg/L	1	GE
•		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	20	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	< 10	µg/L	0	GE
•		beta-Benzene hexachloride	< 10	µg/L	0	GE
•		delta-Benzene hexachloride	< 10	µg/L	0	GE
•		Benidine	< 10	µg/L	0	GE
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	868	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	6,020	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	1.2	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	15	µg/L	0	GE
•		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 32D collected on 01/21/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.0	µg/L	0	GE
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	33	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE
■		Lead	18	µg/L	2	GE
•		Lindane	< 0.0050	µg/L	0	GE
•		Lindane	< 10	µg/L	0	GE
		Magnesium	1,480	µg/L	0	GE
		Manganese	13	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	5,000	µg/L	1	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 32D collected on 01/21/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	1,020	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	6,900	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	5,260	µg/L	0	GE
		Sulfate	1,310	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	2.4	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	36,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
•		Total organic halogens	< 5.0	µg/L	0	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	4.3	µg/L	1	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Antimony-125	< 2.0E+01	pCi/L	0	GP
		Cerium-144	< 6.0E+01	pCi/L	0	GP
		Cesium-134	< 1.0E+01	pCi/L	0	GP
		Cesium-137	< 1.0E+01	pCi/L	0	GP
		Cobalt-57	< 1.0E+01	pCi/L	0	GP
		Cobalt-60	< 1.0E+01	pCi/L	0	GP
		Europium-154	< 2.0E+01	pCi/L	0	GP
		Europium-155	< 3.0E+01	pCi/L	0	GP
		Gross alpha	2.3E+00 ± 4.9E-01	pCi/L	0	GE
		Manganese-54	< 1.0E+01	pCi/L	0	GP
		Neptunium-237	< 7.0E+01	pCi/L	0	GP
		Nonvolatile beta	3.6E+00 ± 5.8E-01	pCi/L	0	GE
		PM144	< 1.0E+01	pCi/L	0	GP
		PM146	< 1.0E+01	pCi/L	0	GP
		Potassium-40	< 1.1E+02	pCi/L	0	GP
		Ruthenium-103	< 1.0E+01	pCi/L	0	GP
		Radium-228 or Uranium-235	< 2.1E+02	pCi/L	0	GP
		Sodium-22	< 1.0E+01	pCi/L	0	GP
		Thorium-228	< 7.5E+02	pCi/L	0	GP
		Total alpha-emitting radium	4.5E+00 ± 6.0E-01	pCi/L	1	GE
■		Tritium	1.7E+03 ± 3.2E+00	pCi/mL	2	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 32D collected on 01/21/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-238	< 1.0E + 00	pCi/L	0	TE
		Zinc-65	< 2.0E + 01	pCi/L	0	GP

WELL BGO 33C

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

FIELD MEASUREMENTS

Sample date: 01/23/92
 Depth to water: 54.40 ft (16.58 m) below TOC
 Water elevation: 225.00 ft (68.58 m) msl
 Sp. conductance: 71 µS/cm
 Water evacuated before sampling: 124 gal

Time: 10:10
 pH: 5.4
 Alkalinity: 16 mg/L
 Water temperature: 18.9°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.2	pH	0	GE
		Specific conductance	50	µS/cm	0	GE
•		Turbidity	0.75	NTU	0	GE
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	< 20	µg/L	0	GE
•		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	14	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	< 10	µg/L	0	GE
•		beta-Benzene hexachloride	< 10	µg/L	0	GE
•		delta-Benzene hexachloride	< 10	µg/L	0	GE
•		Benzidine	< 10	µg/L	0	GE
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 33C collected on 01/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Calcium	6,500	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	5,500	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	14	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
•		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.1	µg/L	0	GE
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 33C collected on 01/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	< 4.0	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 10	µg/L	0	GE
		Magnesium	822	µg/L	0	GE
		Manganese	30	µg/L	1	GE
		Mercury	1.1	µg/L	1	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	1,060	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	< 500	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	10,400	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	3,250	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	3.5	µg/L	1	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	47,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
•		Total organic halogens	83	µg/L	2	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
■		Trichloroethylene	18	µg/L	2	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 33C collected on 01/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Antimony-125	< 2.0E + 01	pCi/L	0	GP
		Cerium-144	< 6.0E + 01	pCi/L	0	GP
		Cesium-134	< 1.0E + 01	pCi/L	0	GP
		Cesium-137	< 1.0E + 01	pCi/L	0	GP
		Cobalt-57	< 1.0E + 01	pCi/L	0	GP
		Cobalt-60	< 1.0E + 01	pCi/L	0	GP
		Europium-154	< 2.0E + 01	pCi/L	0	GP
		Europium-155	< 3.0E + 01	pCi/L	0	GP
		Gross alpha	< 2.0E + 00	pCi/L	0	GE
		Manganese-54	< 1.0E + 01	pCi/L	0	GP
		Neptunium-237	< 7.0E + 01	pCi/L	0	GP
		Nonvolatile beta	< 2.0E + 00	pCi/L	0	GE
		PM144	< 1.0E + 01	pCi/L	0	GP
		PM146	< 1.0E + 01	pCi/L	0	GP
		Potassium-40	< 1.1E + 02	pCi/L	0	GP
		Ruthenium-103	< 1.0E + 01	pCi/L	0	GP
		Radium-228 or Uranium-235	< 2.1E + 02	pCi/L	0	GP
		Sodium-22	< 1.0E + 01	pCi/L	0	GP
		Thorium-228	< 7.5E + 02	pCi/L	0	GP
		Total alpha-emitting radium	< 1.0E + 00	pCi/L	0	GE
■		Tritium	7.6E + 03 ± 6.8E + 00	pCi/mL	2	GE
		Uranium-234	< 1.0E + 00	pCi/L	0	TE
		Uranium-235	< 1.0E + 00	pCi/L	0	TE
		Uranium-238	< 1.0E + 00	pCi/L	0	TE
		Zinc-65	< 2.0E + 01	pCi/L	0	GP

WELL BGO 33D

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

FIELD MEASUREMENTS

Sample date: 01/23/92
 Depth to water: 49.11 ft (14.97 m) below TOC
 Water elevation: 231.19 ft (70.47 m) msl
 Sp. conductance: 68 µS/cm
 Water evacuated before sampling: 11 gal
 The well went dry during purging.

Time: 9:50
 pH: 4.4
 Alkalinity: 0 mg/L
 Water temperature: 19.2°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.3	pH	0	GE
		Specific conductance	70	µS/cm	0	GE
		Turbidity	56	NTU	0	GE
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 33D collected on 01/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	56	µg/L	0	GE
•		Anthracene	< 10	µg/L	0	GE
		Antimony	3.0	µg/L	1	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	20	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	< 10	µg/L	0	GE
•		beta-Benzene hexachloride	< 10	µg/L	0	GE
•		delta-Benzene hexachloride	< 10	µg/L	0	GE
•		Benidine	< 10	µg/L	0	GE
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	1,730	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	10,700	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	13	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 33D collected on 01/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Dichloromethane (Methylene chloride)	3.4	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	184	µg/L	1	GE
•		Isophorone	<10	µg/L	0	GE
		Lead	5.0	µg/L	0	GE
•		Lindane	<10	µg/L	0	GE
		Magnesium	1,930	µg/L	0	GE
		Manganese	6.2	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	2,900	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE
•		PCB 1260	<150	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 33D collected on 01/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Pentachlorophenol	<10	µg/L	0	GE
•		Phenanthrene	<10	µg/L	0	GE
•		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	1,780	µg/L	0	GE
•		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	5,440	µg/L	0	GE
		Silver	2.6	µg/L	0	GE
		Sodium	4,580	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	2.2	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	41,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	15	µg/L	0	GE
		Total phosphates (as P)	80	µg/L	0	GE
•		Toxaphene	<10	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Antimony-125	<2.0E+01	pCi/L	0	GP
		Cerium-144	<6.0E+01	pCi/L	0	GP
		Cesium-134	<1.0E+01	pCi/L	0	GP
		Cesium-137	<1.0E+01	pCi/L	0	GP
		Cobalt-57	<1.0E+01	pCi/L	0	GP
		Cobalt-60	<1.0E+01	pCi/L	0	GP
		Europium-154	<2.0E+01	pCi/L	0	GP
		Europium-155	<3.0E+01	pCi/L	0	GP
		Gross alpha	5.6E+00 ± 7.0E-01	pCi/L	0	GE
		Manganese-54	<1.0E+01	pCi/L	0	GP
		Neptunium-237	<7.0E+01	pCi/L	0	GP
		Nonvolatile beta	5.1E+00 ± 7.0E-01	pCi/L	0	GE
		PM144	<1.0E+01	pCi/L	0	GP
		PM146	<1.0E+01	pCi/L	0	GP
		Potassium-40	<1.1E+02	pCi/L	0	GP
		Ruthenium-103	<1.0E+01	pCi/L	0	GP
		Radium-228 or Uranium-235	2.6E+02 ± 8.8E+01	pCi/L	0	GP
		Sodium-22	<1.0E+01	pCi/L	0	GP
		Thorium-228	<7.5E+02	pCi/L	0	GP
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
■		Tritium	2.8E+01 ± 5.0E-01	pCi/mL	2	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE
		Zinc-65	<2.0E+01	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 34D

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

FIELD MEASUREMENTS

Sample date: 01/23/92
 Depth to water: 41.32 ft (12.59 m) below TOC
 Water elevation: 233.58 ft (71.20 m) msl
 Sp. conductance: 29 µS/cm
 Water evacuated before sampling: 14 gal
 The well went dry during purging.

Time: 10:40
 pH: 4.4
 Alkalinity: 1 mg/L
 Water temperature: 18.2°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.5	pH	0	GE
		Specific conductance	30	µS/cm	0	GE
		Turbidity	9.6	NTU	0	GE
•		Acenaphthene	<10	µg/L	0	GE
•		Acenaphthylene	<10	µg/L	0	GE
•		Acetophenone	<10	µg/L	0	GE
•		Aldrin	<10	µg/L	0	GE
		Aluminum	28	µg/L	0	GE
•		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	18	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		Benzidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,640	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	4,040	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 34D collected on 01/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	4.6	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	3.4	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	68	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
		Lead	6.8	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 34D collected on 01/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Lindane	< 10	µg/L	0	GE
		Magnesium	730	µg/L	0	GE
		Manganese	6.9	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	1,010	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	< 500	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	6,870	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	1,780	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	29,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	6.3	µg/L	0	GE
		Total phosphates (as P)	60	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Antimony-125	< 2.0E+01	pCi/L	0	GP
		Cerium-144	< 6.0E+01	pCi/L	0	GP
		Cesium-134	< 1.0E+01	pCi/L	0	GP
		Cesium-137	< 1.0E+01	pCi/L	0	GP
		Cobalt-57	< 1.0E+01	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 34D collected on 01/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Cobalt-60	< 1.0E+01	pCi/L	0	GP
		Europium-154	< 2.0E+01	pCi/L	0	GP
		Europium-155	< 3.0E+01	pCi/L	0	GP
		Gross alpha	2.3E+00 ± 4.4E-01	pCi/L	0	GE
		Manganese-54	< 1.0E+01	pCi/L	0	GP
		Neptunium-237	< 7.0E+01	pCi/L	0	GP
		Nonvolatile beta	4.4E+00 ± 6.5E-01	pCi/L	0	GE
		PM144	< 1.0E+01	pCi/L	0	GP
		PM146	< 1.0E+01	pCi/L	0	GP
		Potassium-40	< 1.1E+02	pCi/L	0	GP
		Ruthenium-103	< 1.0E+01	pCi/L	0	GP
		Radium-228 or Uranium-235	< 2.1E+02	pCi/L	0	GP
		Sodium-22	< 1.0E+01	pCi/L	0	GP
		Thorium-228	< 7.5E+02	pCi/L	0	GP
		Total alpha-emitting radium	< 1.0E+01	pCi/L	0	GE
■		Tritium	2.5E+01 ± 4.0E-01	pCi/mL	2	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE
		Zinc-65	< 2.0E+01	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>Formation</u>
N73953.9	33.281598 °N	171.9-161.9 ft msl	273.4 ft msl	4" PVC	McBean (IIB ₁)
E56545.7	81.661558 °W				

FIELD MEASUREMENTS

Sample date: 01/22/92
 Depth to water: 44.61 ft (13.60 m) below TOC
 Water elevation: 228.79 ft (69.74 m) msl
 Sp. conductance: 61 µS/cm
 Water evacuated before sampling: 176 gal

Time: 14:20
 pH: 7.5
 Alkalinity: 19 mg/L
 Water temperature: 19.0°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
●		pH	7.0	pH	0	GE
		Specific conductance	55	µS/cm	0	GE
		Turbidity	0.22	NTU	0	GE
●		Acenaphthene	< 10	µg/L	0	GE
●		Acenaphthylene	< 10	µg/L	0	GE
●		Acetophenone	< 10	µg/L	0	GE
●		Aldrin	< 10	µg/L	0	GE
		Aluminum	117	µg/L	1	GE
●		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	12	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
●		alpha-Benzene hexachloride	< 10	µg/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 35C collected on 01/22/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		beta-Benzene hexachloride	< 10	µg/L	0	GE
•		delta-Benzene hexachloride	< 10	µg/L	0	GE
•		Benzidine	< 10	µg/L	0	GE
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Calcium	< 2.0	µg/L	0	GE
		Calcium	8,160	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	1,830	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.4	µg/L	0	GE
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 35C collected on 01/22/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
•		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
•		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
•		Iron	<4.0	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
•		Lead	<3.0	µg/L	0	GE
•		Lindane	<10	µg/L	0	GE
•		Magnesium	230	µg/L	0	GE
•		Manganese	5.3	µg/L	0	GE
•		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
•		Nickel	<4.0	µg/L	0	GE
•		Nitrate as nitrogen	1,030	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE
•		PCB 1260	<150	µg/L	0	GE
•		Pentachlorophenol	<10	µg/L	0	GE
•		Phenanthrene	<10	µg/L	0	GE
•		Phenol	<10	µg/L	0	GE
•		Phenols	<5.0	µg/L	0	GE
•		Potassium	<500	µg/L	0	GE
•		Pyrene	<10	µg/L	0	GE
•		Selenium	<2.0	µg/L	0	GE
•		Silica	9,210	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 35C collected on 01/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Silver	<2.0	µg/L	0	GE
		Sodium	1,750	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	46,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	55	µg/L	2	GE
		Total phosphates (as P)	60	µg/L	0	GE
•		Toxaphene	<10	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Antimony-125	<2.0E+01	pCi/L	0	GP
		Cerium-144	<6.0E+01	pCi/L	0	GP
		Cesium-134	<1.0E+01	pCi/L	0	GP
		Cesium-137	<1.0E+01	pCi/L	0	GP
		Cobalt-57	<1.0E+01	pCi/L	0	GP
		Cobalt-60	<1.0E+01	pCi/L	0	GP
		Europium-154	<2.0E+01	pCi/L	0	GP
		Europium-155	<3.0E+01	pCi/L	0	GP
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Manganese-54	<1.0E+01	pCi/L	0	GP
		Neptunium-237	<7.0E+01	pCi/L	0	GP
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		PM144	<1.0E+01	pCi/L	0	GP
		PM146	<1.0E+01	pCi/L	0	GP
		Potassium-40	<1.1E+02	pCi/L	0	GP
		Ruthenium-103	<1.0E+01	pCi/L	0	GP
		Radium-228 or Uranium-235	<2.1E+02	pCi/L	0	GP
		Sodium-22	<1.0E+01	pCi/L	0	GP
		Thorium-228	<7.5E+02	pCi/L	0	GP
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	1.6E+00 ± 2.0E-01	pCi/mL	0	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE
		Zinc-65	<2.0E+01	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded primary drinking water standard.

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

FIELD MEASUREMENTS

Sample date: 01/23/92
 Depth to water: 38.29 ft (11.67 m) below TOC
 Water elevation: 235.21 ft (71.69 m) msl
 Sp. conductance: 34 µS/cm
 Water evacuated before sampling: 10 gal
 The well went dry during purging.

Time: 11:10
 pH: 4.0
 Alkalinity: 0 mg/L
 Water temperature: 19.0°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.0	pH	0	GE
		Specific conductance	40	µS/cm	0	GE
		Turbidity	162	NTU	0	GE
•		Acenaphthene	<10	µg/L	0	GE
•		Acenaphthylene	<10	µg/L	0	GE
•		Acetophenone	<10	µg/L	0	GE
•		Aldrin	<10	µg/L	0	GE
		Aluminum	70	µg/L	0	GE
•		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	13	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		Benzidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	279	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	3,140	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 35D collected on 01/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	41	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.8	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	123	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
		Lead	5.9	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 35D collected on 01/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Lindane	< 10	µg/L	0	GE
		Magnesium	416	µg/L	0	GE
		Manganese	4.2	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	2,160	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	< 500	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	7,700	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	5,910	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	35,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	7.4	µg/L	0	GE
		Total phosphates (as P)	210	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Antimony-125	< 2.0E+01	pCi/L	0	GP
		Cerium-144	< 6.0E+01	pCi/L	0	GP
		Cesium-134	< 1.0E+01	pCi/L	0	GP
		Cesium-137	< 1.0E+01	pCi/L	0	GP
		Cobalt-57	< 1.0E+01	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 35D collected on 01/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Cobalt-60	< 1.0E+01	pCi/L	0	GP
		Europium-154	< 2.0E+01	pCi/L	0	GP
		Europium-155	< 3.0E+01	pCi/L	0	GP
		Gross alpha	2.7E+00 ± 4.6E-01	pCi/L	0	GE
		Manganese-54	< 1.0E+01	pCi/L	0	GP
		Neptunium-237	< 7.0E+01	pCi/L	0	GP
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		PM144	< 1.0E+01	pCi/L	0	GP
		PM146	< 1.0E+01	pCi/L	0	GP
		Potassium-40	< 1.1E+02	pCi/L	0	GP
		Ruthenium-103	< 1.0E+01	pCi/L	0	GP
		Radium-228 or Uranium-235	< 2.1E+02	pCi/L	0	GP
		Sodium-22	< 1.0E+01	pCi/L	0	GP
		Thorium-228	< 7.5E+02	pCi/L	0	GP
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
■		Tritium	2.2E+02 ± 1.2E+00	pCi/mL	2	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE
		Zinc-65	< 2.0E+01	pCi/L	0	GP

WELL BGO 36D

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

FIELD MEASUREMENTS

Sample date: 01/23/92
 Depth to water: 38.20 ft (11.64 m) below TOC
 Water elevation: 237.20 ft (72.30 m) msl
 Sp. conductance: 28 µS/cm
 Water evacuated before sampling: 9 gal
 The well went dry during purging.

Time: 11:40
 pH: 4.2
 Alkalinity: 0 mg/L
 Water temperature: 19.0°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.3	pH	0	GE
		Specific conductance	30	µS/cm	0	GE
		Turbidity	97	NTU	0	GE
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	55	µg/L	0	GE
•		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	17	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 36D collected on 01/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		Benzidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	142	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	3,880	µg/L	0	GE
		Chloride	3,820	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	116	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	3.7	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 36D collected on 01/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Diethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE
•		Ethylbenzene	< 1.0	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
•		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
•		Iron	98	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE
•		Lead	13	µg/L	1	GE
•		Lindane	< 10	µg/L	0	GE
•		Magnesium	432	µg/L	0	GE
•		Manganese	18	µg/L	0	GE
•		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
•		Nickel	< 4.0	µg/L	0	GE
•		Nitrate as nitrogen	920	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
•		Phenols	< 5.0	µg/L	0	GE
•		Potassium	< 500	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
•		Selenium	< 2.0	µg/L	0	GE
•		Silica	6,490	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 36D collected on 01/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Silver	<2.0	µg/L	0	GE
		Sodium	3,430	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	25,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	230	µg/L	0	GE
•		Toxaphene	<10	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Antimony-125	<2.0E+01	pCi/L	0	GP
		Cerium-144	<6.0E+01	pCi/L	0	GP
		Cesium-134	<1.0E+01	pCi/L	0	GP
		Cesium-137	<1.0E+01	pCi/L	0	GP
		Cobalt-57	<1.0E+01	pCi/L	0	GP
		Cobalt-60	<1.0E+01	pCi/L	0	GP
		Europium-154	<2.0E+01	pCi/L	0	GP
		Europium-155	<3.0E+01	pCi/L	0	GP
		Gross alpha	2.3E+00 ± 5.3E-01	pCi/L	0	GE
		Manganese-54	<1.0E+01	pCi/L	0	GP
		Neptunium-237	<7.0E+01	pCi/L	0	GP
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		PM144	<1.0E+01	pCi/L	0	GP
		PM146	<1.0E+01	pCi/L	0	GP
		Potassium-40	<1.1E+02	pCi/L	0	GP
		Ruthenium-103	<1.0E+01	pCi/L	0	GP
		Radium-228 or Uranium-235	<2.1E+02	pCi/L	0	GP
		Sodium-22	<1.0E+01	pCi/L	0	GP
		Thorium-228	<7.5E+02	pCi/L	0	GP
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
■		Tritium	2.7E+01 ± 4.0E-01	pCi/mL	2	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE
		Zinc-65	<2.0E+01	pCi/L	0	GP

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 37C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N73498.2 E57279.2	33.281787 °N 81.658741 °W	178.8-168.8 ft msl	286.3 ft msl	4" PVC	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/22/92
Depth to water: 55.46 ft (16.90 m) below TOC
Water elevation: 230.84 ft (70.36 m) msl
Inaccessibility or pump failure prevented sample collection.

Time: 14:50

WELL BGO 37D

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

FIELD MEASUREMENTS

Sample date: 01/23/92
Depth to water: 47.96 ft (14.62 m) below TOC
Water elevation: 239.34 ft (72.95 m) msl
Sp. conductance: 34 μ S/cm
Water evacuated before sampling: 8 gal
The well went dry during purging.

Time: 12:40
pH: 4.8
Alkalinity: 1 mg/L
Water temperature: 19.6°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.9	pH	0	GE
		Specific conductance	40	μ S/cm	0	GE
		Turbidity	58	NTU	0	GE
•		Acenaphthene	<10	μ g/L	0	GE
•		Acenaphthylene	<10	μ g/L	0	GE
•		Acetophenone	<10	μ g/L	0	GE
•		Aldrin	<10	μ g/L	0	GE
		Aluminum	<20	μ g/L	0	GE
•		Anthracene	<10	μ g/L	0	GE
		Antimony	3.3	μ g/L	1	GE
		Arsenic	<2.0	μ g/L	0	GE
		Barium	8.0	μ g/L	0	GE
		Benzene	<1.0	μ g/L	0	GE
•		alpha-Benzene hexachloride	<10	μ g/L	0	GE
•		beta-Benzene hexachloride	<10	μ g/L	0	GE
•		delta-Benzene hexachloride	<10	μ g/L	0	GE
•		Benzidine	<10	μ g/L	0	GE
•		Benzo[a]anthracene	<10	μ g/L	0	GE
•		Benzo[a]pyrene	<10	μ g/L	0	GE
•		Benzo[b]fluoranthene	<10	μ g/L	0	GE
•		Benzo[g,h,i]perylene	<10	μ g/L	0	GE
•		Benzo[k]fluoranthene	<10	μ g/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 37D collected on 01/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	615	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	1,730	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	8.7	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.6	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 37D collected on 01/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
•		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
•		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
•		Iron	78	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
•		Lead	3.0	µg/L	0	GE
•		Lindane	<10	µg/L	0	GE
•		Magnesium	249	µg/L	0	GE
•		Manganese	23	µg/L	0	GE
•		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
•		Nickel	<4.0	µg/L	0	GE
•		Nitrate as nitrogen	2,500	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE
•		PCB 1260	<150	µg/L	0	GE
•		Pentachlorophenol	<10	µg/L	0	GE
•		Phenanthrene	<10	µg/L	0	GE
•		Phenol	<10	µg/L	0	GE
•		Phenols	<5.0	µg/L	0	GE
•		Phenols	<5.0	µg/L	0	GE
•		Potassium	<500	µg/L	0	GE
•		Pyrene	<10	µg/L	0	GE
•		Selenium	<2.0	µg/L	0	GE
•		Silica	6,350	µg/L	0	GE
•		Silver	<2.0	µg/L	0	GE
•		Sodium	4,830	µg/L	0	GE
•		Sulfate	<1,000	µg/L	0	GE
•		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
•		Tetrachloroethylene	<1.0	µg/L	0	GE
•		Tin	<2.0	µg/L	0	GE
•		Toluene	<1.0	µg/L	0	GE
•		Total dissolved solids	36,000	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 37D collected on 01/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<10	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.0E+00 ± 3.0E-01	pCi/L	0	GE
■		Tritium	2.8E+01 ± 5.0E-01	pCi/mL	2	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE

WELL BGO 38D

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

FIELD MEASUREMENTS

Sample date: 01/23/92
 Depth to water: 55.31 ft (16.86 m) below TOC
 Water elevation: 236.29 ft (72.02 m) msl
 Sp. conductance: 30 µS/cm
 Water evacuated before sampling: 6 gal
 The well went dry during purging.

Time: 13:00
 pH: 3.4
 Alkalinity: 0 mg/L
 Water temperature: 18.9°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	4.6	pH	0	GE
		Specific conductance	30	µS/cm	0	GE
		Turbidity	73	NTU	0	GE
•		Acenaphthene	<10	µg/L	0	GE
•		Acenaphthylene	<10	µg/L	0	GE
•		Acetophenone	<10	µg/L	0	GE
•		Aldrin	<10	µg/L	0	GE
		Aluminum	155	µg/L	1	GE
•		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	12	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 38D collected on 01/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		Benzidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	68	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	2,450	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	17	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.8	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 38D collected on 01/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
•		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
•		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
•		Iron	418	µg/L	2	GE
•		Isophorone	<10	µg/L	0	GE
•		Lead	5.9	µg/L	0	GE
•		Lindane	<10	µg/L	0	GE
•		Magnesium	650	µg/L	0	GE
•		Manganese	8.7	µg/L	0	GE
•		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
•		Nickel	<4.0	µg/L	0	GE
•		Nitrate as nitrogen	1,850	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE
•		PCB 1260	<150	µg/L	0	GE
•		Pentachlorophenol	<10	µg/L	0	GE
•		Phenanthrene	<10	µg/L	0	GE
•		Phenol	<10	µg/L	0	GE
•		Phenols	<5.0	µg/L	0	GE
•		Potassium	<500	µg/L	0	GE
•		Pyrene	<10	µg/L	0	GE
•		Selenium	<2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 38D collected on 01/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Silica	6,040	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	1,530	µg/L	0	GE
		Sulfate	1,690	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	21,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total phosphates (as P)	260	µg/L	0	GE
		Total phosphates (as P)	270	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
■		Tritium	3.0E+01 ± 5.0E-01	pCi/mL	2	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 39D

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

FIELD MEASUREMENTS

Sample date: 01/23/92
 Depth to water: 59.46 ft (18.12 m) below TOC
 Water elevation: 236.24 ft (72.01 m) msl
 Sp. conductance: 33 µS/cm
 Water evacuated before sampling: 7 gal
 The well went dry during purging.

Time: 13:40
 pH: 3.9
 Alkalinity: 0 mg/L
 Water temperature: 19.0°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	4.7	pH	0	GE
		Specific conductance	30	µS/cm	0	GE
		Turbidity	161	NTU	0	GE
		Turbidity	159	NTU	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 39D collected on 01/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	88	µg/L	0	GE
•		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	6.7	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	< 10	µg/L	0	GE
•		beta-Benzene hexachloride	< 10	µg/L	0	GE
•		delta-Benzene hexachloride	< 10	µg/L	0	GE
•		Benidine	< 10	µg/L	0	GE
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	53	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	3,640	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	6.9	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 39D collected on 01/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	6.0	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	52	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
•		Lindane	<10	µg/L	0	GE
		Magnesium	119	µg/L	0	GE
		Manganese	4.6	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	1,350	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 39D collected on 01/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	< 500	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	6,240	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	3,500	µg/L	0	GE
		Sulfate	5,310	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	28,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	32	µg/L	1	GE
		Total phosphates (as P)	60	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	3.9E+00 ± 5.1E-01	pCi/L	0	GE
		Nonvolatile beta	3.1E+00 ± 6.2E-01	pCi/L	0	GE
		Total alpha-emitting radium	1.8E+00 ± 4.0E-01	pCi/L	0	GE
■		Tritium	3.5E+01 ± 5.0E-01	pCi/mL	2	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 40D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N76125.8 E54638.6	33.283290 °N 81.670799 °W	226.5-216.6 ft msl	238.4 ft msl	4" PVC	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/17/92
 Depth to water: 65.00 ft (19.81 m) below TOC
 Water elevation: 223.40 ft (68.09 m) msl
 Sp. conductance: 421 μ S/cm
 Water evacuated before sampling: 2 gal
 There was insufficient water to fill all or some sample bottles.

Time: 13:40
 pH: 7.4
 Alkalinity: 107 mg/L
 Water temperature: 17.2°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	7.5	pH	0	GE
		Specific conductance	380	μ S/cm	1	GE
•		Turbidity	115	NTU	0	GE
•		Acenaphthene	<10	μ g/L	0	GE
•		Acenaphthylene	<10	μ g/L	0	GE
•		Acetophenone	<10	μ g/L	0	GE
•		Aldrin	<10	μ g/L	0	GE
		Aluminum	<20	μ g/L	0	GE
•		Anthracene	<10	μ g/L	0	GE
		Antimony	2.4	μ g/L	0	GE
		Arsenic	<2.0	μ g/L	0	GE
		Barium	47	μ g/L	0	GE
		Benzene	<1.0	μ g/L	0	GE
•		alpha-Benzene hexachloride	<10	μ g/L	0	GE
•		beta-Benzene hexachloride	<10	μ g/L	0	GE
•		delta-Benzene hexachloride	<10	μ g/L	0	GE
•		Benzidine	<10	μ g/L	0	GE
•		Benzo[a]anthracene	<10	μ g/L	0	GE
•		Benzo[a]pyrene	<10	μ g/L	0	GE
•		Benzo[b]fluoranthene	<10	μ g/L	0	GE
•		Benzo[g,h,i]perylene	<10	μ g/L	0	GE
•		Benzo[k]fluoranthene	<10	μ g/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	μ g/L	0	GE
•		Bis(2-chloroethyl) ether	<10	μ g/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	μ g/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	μ g/L	0	GE
		Bromodichloromethane	<1.0	μ g/L	0	GE
		Bromoform	<1.0	μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	μ g/L	0	GE
•		4-Bromophenyl phenyl ether	<10	μ g/L	0	GE
•		Butylbenzyl phthalate	<10	μ g/L	0	GE
		Cadmium	<2.0	μ g/L	0	GE
		Calcium	13,200	μ g/L	0	GE
		Carbon tetrachloride	<1.0	μ g/L	0	GE
•		Chlordane	<10	μ g/L	0	GE
		Chloride	6,900	μ g/L	0	GE
•		para-Chloro-meta-cresol	<10	μ g/L	0	GE
		Chlorobenzene	<1.0	μ g/L	0	GE
		Chloroethane	<1.0	μ g/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 40D collected on 01/17/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	13	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	6.1	µg/L	0	GE
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	18	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 40D collected on 01/17/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Lindane	< 10	µg/L	0	GE
		Magnesium	1,570	µg/L	0	GE
		Manganese	30	µg/L	1	GE
		Mercury	< 0.20	µg/L	0	GE
		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	8.0	µg/L	0	GE
		Nitrate as nitrogen	440	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	46,800	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	9,920	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	50,200	µg/L	0	GE
		Sulfate	7,580	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	2.4	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	255,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	250	µg/L	2	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	1.8	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	3.4E+01 ± 1.6E+00	pCi/L	1	GE
		Total alpha-emitting radium	1.2E+00 ± 4.0E-01	pCi/L	0	GE
		Tritium	4.0E+00 ± 2.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 40D collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 41A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N76469.5 E55403.7	33.285299 °N 81.669452 °W	113.3-103.3 ft msl	300.3 ft msl	4" PVC	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 01/23/92
 Depth to water: 141.57 ft (43.15 m) below TOC
 Water elevation: 158.73 ft (48.38 m) msl
 Sp. conductance: 2830 μ S/cm
 Water evacuated before sampling: 10 gal
 The well went dry during purging.

Time: 15:05
 pH: 11.7
 Alkalinity: 658 mg/L
 Water temperature: 17.5°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	12	pH	2	GE
		Specific conductance	1,100	μ S/cm	2	GE
		Arsenic	< 2.0	μ g/L	0	GE
		Barium	237	μ g/L	0	GE
		Benzene	< 1.0	μ g/L	0	GE
		Bromodichloromethane	< 1.0	μ g/L	0	GE
		Bromoform	< 1.0	μ g/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	μ g/L	0	GE
		Cadmium	< 2.0	μ g/L	0	GE
		Calcium	66,400	μ g/L	0	GE
		Carbon tetrachloride	< 1.0	μ g/L	0	GE
		Chloride	2,830	μ g/L	0	GE
		Chlorobenzene	< 1.0	μ g/L	0	GE
		Chloroethane	< 1.0	μ g/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	μ g/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	μ g/L	0	GE
		Chloroform	< 1.0	μ g/L	0	GE
		Chloromethane (Methyl chloride)	4.4	μ g/L	0	GE
		Chromium	< 4.0	μ g/L	0	GE
		Dibromochloromethane	< 1.0	μ g/L	0	GE
		1,1-Dichloroethane	< 1.0	μ g/L	0	GE
		1,2-Dichloroethane	< 1.0	μ g/L	0	GE
		1,1-Dichloroethylene	< 1.0	μ g/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	μ g/L	0	GE
		Dichloromethane (Methylene chloride)	1.3	μ g/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	μ g/L	0	GE
		1,2-Dichloropropane	< 1.0	μ g/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	μ g/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 41A collected on 01/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Iron	21	µg/L	0	GE
		Lead	5.5	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	29	µg/L	0	GE
		Manganese	< 2.0	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	< 50	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	31,500	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	30,200	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	39,500	µg/L	0	GE
		Sulfate	10,500	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Toluene	2.3	µg/L	0	GE
		Total dissolved solids	332,000	µg/L	0	GE
		Total organic carbon	6,000	µg/L	1	GE
		Total organic halogens	15	µg/L	0	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,1,1-Trichloroethane	4.9	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	2.5	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	2.1E+00 ± 5.1E-01	pCi/L	0	GE
		Nonvolatile beta	2.8E+01 ± 2.7E+00	pCi/L	1	GE
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
		Tritium	< 7.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 41A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N76469.5 E55403.7	33.285299 °N 81.669452 °W	113.3-103.3 ft msl	300.3 ft msl	4" PVC	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 03/10/92	Time: 9:45
Depth to water: 141.44 ft (43.11 m) below TOC	pH: 11.5
Water elevation: 158.86 ft (48.42 m) msl	Alkalinity: 426 mg/L
Sp. conductance: 1909 μ S/cm	Water temperature: 18.3°C
Water evacuated before sampling: 21 gal	
The well went dry during purging.	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 42C

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

FIELD MEASUREMENTS

Sample date: 01/23/92	Time: 14:40
Depth to water: 73.53 ft (22.41 m) below TOC	pH: 5.8
Water elevation: 224.37 ft (68.39 m) msl	Alkalinity: 20 mg/L
Sp. conductance: 81 μ S/cm	Water temperature: 17.7°C
Water evacuated before sampling: 19 gal	
The well went dry during purging.	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.0	pH	0	GE
		Specific conductance	40	μ S/cm	0	GE
		Arsenic	< 2.0	μ g/L	0	GE
		Barium	12	μ g/L	0	GE
		Benzene	< 1.0	μ g/L	0	GE
		Bromodichloromethane	< 1.0	μ g/L	0	GE
		Bromoform	< 1.0	μ g/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	μ g/L	0	GE
		Cadmium	< 2.0	μ g/L	0	GE
		Calcium	1,970	μ g/L	0	GE
		Carbon tetrachloride	< 1.0	μ g/L	0	GE
		Chloride	2,740	μ g/L	0	GE
		Chlorobenzene	< 1.0	μ g/L	0	GE
		Chloroethane	< 1.0	μ g/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 42C collected on 01/23/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	2.8	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Iron	35	µg/L	0	GE
		Lead	3.4	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	451	µg/L	0	GE
		Manganese	19	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		Nickel	6.6	µg/L	0	GE
		Nitrate as nitrogen	930	µg/L	0	GE
		Nitrate as nitrogen	930	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	2,290	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	10,000	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	5,130	µg/L	0	GE
		Sulfate	1,770	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	37,000	µg/L	0	GE
		Total dissolved solids	32,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	57	µg/L	2	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
■		Trichloroethylene	63	µg/L	2	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		Gross alpha	< 2.0E + 00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E + 00	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E + 00	pCi/L	0	GE
		Tritium	6.4E + 00 ± 3.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 42C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N7°404.7 E55522.3	33.285349 °N 81.669014 °W	195.9-185.9 ft msl	297.9 ft msl	4" PVC	Barnwell (IB ₁)

FIELD MEASUREMENTS

Sample date: 03/10/92	Time: 10:00
Depth to water: 73.75 ft (22.48 m) below TOC	pH: 5.3
Water elevation: 224.15 ft (68.32 m) msl	Alkalinity: 15 mg/L
Sp. conductance: 83 µS/cm	Water temperature: 18.1°C
Water evacuated before sampling: 17 gal	
The well went dry during purging.	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE

WELL BGO 43A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N77061.4 E56253.4	33.287994 °N 81.668364 °W	115.9-105.9 ft msl	314.9 ft msl	4" PVC	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 01/23/92	Time: 14:10
Depth to water: 157.36 ft (47.96 m) below TOC	pH: 12.0
Water elevation: 157.54 ft (48.02 m) msl	Alkalinity: 778 mg/L
Sp. conductance: 3590 µS/cm	Water temperature: 17.9°C
Water evacuated before sampling: 20 gal	
The well went dry during purging.	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	12	pH	2	GE
		Specific conductance	2,250	µS/cm	2	GE
		Arsenic	14	µg/L	0	GE
		Barium	166	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	131,000	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chloride	1,740	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 43A collected on 01/23/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	2.7	µg/L	0	GE
		Chromium	11	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	102	µg/L	0	GE
		Iron	< 4.0	µg/L	0	GE
		Lead	4.9	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	17	µg/L	0	GE
		Manganese	< 2.0	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	< 50	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	33,900	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	32,300	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	29,100	µg/L	0	GE
		Sulfate	10,800	µg/L	0	GE
		1,1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	581,000	µg/L	0	GE
		Total organic carbon	3,000	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		Gross alpha	4.0E+00 ± 6.4E-01	pCi/L	0	GE
		Nonvolatile beta	2.3E+01 ± 1.2E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.9E+00 ± 4.0E-01	pCi/L	0	GE
		Tritium	7.1E+00 ± 3.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 43A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N77061.4 E56253.4	33.287994 °N 81.668364 °W	115.9-105.9 ft msl	314.9 ft msl	4" PVC	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 03/10/92	Time: 10:10
Depth to water: 157.30 ft (47.95 m) below TOC	pH: 11.6
Water elevation: 157.60 ft (48.04 m) msl	Alkalinity: 269 mg/L
Sp. conductance: 1990 μ S/cm	Water temperature: 18.4°C
Water evacuated before sampling: 20 gal	
The well went dry during purging.	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 43AA

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

FIELD MEASUREMENTS

Sample date: 01/27/92	Time: 10:25
Depth to water: 157.28 ft (47.94 m) below TOC	pH: 9.8
Water elevation: 157.02 ft (47.86 m) msl	Alkalinity: 89 mg/L
Sp. conductance: 201 μ S/cm	Water temperature: 18.7°C
Water evacuated before sampling: 436 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	9.8	pH	1	GE
		Specific conductance	135	μ S/cm	0	GE
		Arsenic	3.1	μ g/L	0	GE
		Barium	30	μ g/L	0	GE
		Benzene	< 1.0	μ g/L	0	GE
		Bromodichloromethane	< 1.0	μ g/L	0	GE
		Bromoform	< 1.0	μ g/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	μ g/L	0	GE
		Cadmium	< 2.0	μ g/L	0	GE
		Calcium	26,800	μ g/L	0	GE
		Carbon tetrachloride	< 1.0	μ g/L	0	GE
		Chloride	2,530	μ g/L	0	GE
		Chlorobenzene	< 1.0	μ g/L	0	GE
		Chloroethane	< 1.0	μ g/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 43AA collected on 01/27/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Iron	< 4.0	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	451	µg/L	0	GE
		Manganese	2.3	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	< 50	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	8,300	µg/L	0	GE
		Selenium	15	µg/L	0	GE
		Silica	20,200	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	9,910	µg/L	0	GE
		Sulfate	8,850	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	96,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	9.4	µg/L	0	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	7.6E+00 ± 8.4E-01	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
		Tritium	< 7.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 43AA

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

FIELD MEASUREMENTS

Sample date: 03/04/92	Time: 11:10
Depth to water: 157.16 ft (47.90 m) below TOC	pH: 9.2
Water elevation: 157.14 ft (47.90 m) msl	Alkalinity: 76 mg/L
Sp. conductance: 191 μ S/cm	Water temperature: 20.0°C
Water evacuated before sampling: 313 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 43C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N77035.2	33.287910 °N		315.3 ft msl		Barnwell (IIB ₁)
E56237.2	81.668356 °W				

FIELD MEASUREMENTS

Sample date: 03/04/92	Time: 14:45
Depth to water: 87.98 ft (26.82 m) below TOC	pH: 9.6
Water elevation: 227.32 ft (69.29 m) msl	Alkalinity: 20 mg/L
Sp. conductance: 133 μ S/cm	Water temperature: 19.4°C
Water evacuated before sampling: 24 gal	
The well went dry during purging.	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.4	pH	0	GE
		Specific conductance	110	μ S/cm	0	GE
		Arsenic	< 2.0	μ g/L	0	GE
		Barium	26	μ g/L	0	GE
		Benzene	< 1.0	μ g/L	0	GE
		Bromodichloromethane	< 1.0	μ g/L	0	GE
		Bromoform	< 1.0	μ g/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	μ g/L	0	GE
		Cadmium	< 2.0	μ g/L	0	GE
		Calcium	10,500	μ g/L	0	GE
		Carbon tetrachloride	< 1.0	μ g/L	0	GE
		Chloride	2,550	μ g/L	0	GE
		Chlorobenzene	< 1.0	μ g/L	0	GE
		Chloroethane	< 1.0	μ g/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 43C collected on 03/04/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.5	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Iron	< 4.0	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
		Magnesium	1,510	µg/L	0	GE
		Manganese	18	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	160	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	3,230	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	8,890	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	5,920	µg/L	0	GE
		Sulfate	14,200	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	1.5	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	71,000	µg/L	0	GE
		Total organic carbon	2,000	µg/L	0	GE
		Total organic halogens	11	µg/L	0	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	1.2	µg/L	0	GE
		Trichlorofluoromethane	3.1	µg/L	0	GE
		Gross alpha	7.7E+00 ± 8.7E-01	pCi/L	1	GE
		Nonvolatile beta	9.4E+00 ± 8.8E-01	pCi/L	0	GE
		Total alpha-emitting radium	4.3E+00 ± 6.0E-01	pCi/L	1	GE
		Tritium	2.7E+00 ± 2.0E-01	pCi/mL	0	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

● = exceeded holding time. ■ = exceeded 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>Formation</u>
N77056.7 E56238.8	33.287960 °N 81.668394 °W	208.2-198.2 ft msl	315.3 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/27/92	Time: 9:20
Depth to water: 82.73 ft (25.22 m) below TOC	pH: 5.2
Water elevation: 232.57 ft (70.89 m) msl	Alkalinity: 2 mg/L
Sp. conductance: 68 µS/cm	Water temperature: 18.1°C
Water evacuated before sampling: 91 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.8	pH	0	GE
		Specific conductance	60	µS/cm	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	13	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	5,080	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chloride	2,810	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
		Magnesium	1,110	µg/L	0	GE
		Manganese	12	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 43D collected on 01/27/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Nickel	4.1	µg/L	0	GE
		Nitrate as nitrogen	310	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	1,520	µg/L	0	GE
		Selenium	3.7	µg/L	0	GE
		Silica	6,260	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,910	µg/L	0	GE
		Sulfate	12,400	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	38,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	53	µg/L	2	GE
		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Gross alpha	4.4E+00 ± 6.1E-01	pCi/L	0	GE
		Nonvolatile beta	3.4E+00 ± 6.0E-01	pCi/L	0	GE
		Total alpha-emitting radium	4.4E+00 ± 8.0E-01	pCi/L	1	GE
		Tritium	5.0E+00 ± 2.0E-01	pCi/mL	0	GE

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>Formation</u>
N77056.7	33.287960 °N	208.2-198.2 ft msl	315.3 ft msl	4" PVC	Barnwell (IIB ₁)
E56238.8	81.668394 °W				

FIELD MEASUREMENTS

Sample date: 03/04/92
 Depth to water: 82.84 ft (25.25 m) below TOC
 Water elevation: 232.46 ft (70.85 m) msl
 Sp. conductance: 67 µS/cm
 Water evacuated before sampling: 91 gal

Time: 9:20
 pH: 4.5
 Alkalinity: 1 mg/L
 Water temperature: 18.4°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 44A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N76755.2 E57851.2	33.289924 °N 81.663562 °W		285.3 ft msl		U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 03/04/92	Time: 11:50
Depth to water: 126.35 ft (38.51 m) below TOC	pH: 8.0
Water elevation: 158.95 ft (48.45 m) msl	Alkalinity: 87 mg/L
Sp. conductance: 217 µS/cm	Water temperature: 19.4°C
Water evacuated before sampling: 160 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	7.9	pH	0	GE
		Specific conductance	200	µS/cm	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	44	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	38,200	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chloride	2,470	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	933	µg/L	0	GE
		Manganese	10.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	2,110	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 44A collected on 03/04/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Selenium	<2.0	µg/L	0	GE
		Silica	28,900	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,120	µg/L	0	GE
		Sulfate	6,150	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	139,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	170	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.3E+00 ± 4.0E-01	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE

WELL BGO 44AA

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N76757.0	33.289976 °N		285.3 ft msl		L. Congaree (IIA)
E57880.5	81.663488 °W				

FIELD MEASUREMENTS

Sample date: 03/04/92
 Depth to water: 126.33 ft (38.51 m) below TOC
 Water elevation: 158.97 ft (48.45 m) msl
 Sp. conductance: 208 µS/cm
 Water evacuated before sampling: 580 gal

Time: 14:00
 pH: 9.5
 Alkalinity: 90 mg/L
 Water temperature: 20.0°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	9.1	pH	1	GE
		Specific conductance	190	µS/cm	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	40	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 44AA collected on 03/04/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	32,400	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Chloride	2,060	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	13	µg/L	0	GE
		Dichloromethane (Methylene chloride)	12	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	108	µg/L	0	GE
		Iron	29	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
		Magnesium	596	µg/L	0	GE
		Manganese	3.9	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	< 50	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	5,500	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	29,000	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	7,760	µg/L	0	GE
		Sulfate	9,350	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 44AA collected on 03/04/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	1.8	µg/L	0	GE
		Toluene	2.0	µg/L	0	GE
		Total dissolved solids	138,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	9.2	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	4.4E+00 ± 1.7E-01	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE

WELL BGO 44B

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N76756.0	33.289950 °N		285.2 ft msl		McBean (IIB ₁)
E57865.8	81.663525 °W				

FIELD MEASUREMENTS

Sample date: 03/05/92
 Depth to water: 63.62 ft (19.39 m) below TOC
 Water elevation: 221.58 ft (67.54 m) msl
 Sp. conductance: 1720 µS/cm
 Water evacuated before sampling: 38 gal
 The well went dry during purging.

Time: 9:35
 pH: 11.5
 Alkalinity: 411 mg/L
 Water temperature: 17.8°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	11	pH	2	GE
		Specific conductance	1,650	µS/cm	2	GE
		Arsenic	3.0	µg/L	0	GE
		Barium	47	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	35,800	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 44B collected on 03/05/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloride	1,720	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.6	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	200	µg/L	0	GE
		Iron	19	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	192	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	350	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	14,900	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	48,500	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	13,700	µg/L	0	GE
		Sulfate	13,600	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	4.3	µg/L	0	GE
		Total dissolved solids	449,000	µg/L	0	GE
		Total organic carbon	6,000	µg/L	1	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	1.3	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Gross alpha	2.1E+00 ± 2.0E-01	pCi/L	0	GE
		Nonvolatile beta	2.4E+01 ± 4.7E-01	pCi/L	0	GE
		Total alpha-emitting radium	2.3E+00 ± 5.0E-01	pCi/L	0	GE
■		Tritium	1.4E+03 ± 2.9E+00	pCi/mL	2	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 44C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N76757.8 E57894.9	33.290001 °N 81.663452 °W		285.6 ft msl		Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 03/05/92	Time: 9:55
Depth to water: 64.24 ft (19.58 m) below TOC	pH: 9.3
Water elevation: 221.36 ft (67.47 m) msl	Alkalinity: 113 mg/L
Sp. conductance: 229 µS/cm	Water temperature: 18.2°C
Water evacuated before sampling: 19 gal	
The well went dry during purging.	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	9.6	pH	1	GE
		Specific conductance	178	µS/cm	0	GE
		Arsenic	5.7	µg/L	0	GE
		Barium	35	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	12,900	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chloride	2,270	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 44C collected on 03/05/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.6	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.4	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	179	µg/L	0	GE
		Iron	27	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
		Magnesium	812	µg/L	0	GE
		Manganese	< 2.0	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	810	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	7,910	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	7,160	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	18,700	µg/L	0	GE
		Sulfate	6,530	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	125,000	µg/L	0	GE
		Total organic carbon	1,000	µg/L	0	GE
		Total organic halogens	55	µg/L	2	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	2.4	µg/L	0	GE
		Trichloroethylene	2.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		Gross alpha	2.5E+00 ± 1.7E-01	pCi/L	0	GE
		Nonvolatile beta	5.5E+00 ± 2.3E-01	pCi/L	0	GE
		Total alpha-emitting radium	2.2E+00 ± 5.0E-01	pCi/L	0	GE
■		Tritium	2.8E+02 ± 1.3E+00	pCi/mL	2	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 44D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N76759.5 E57910.0	33.290030 °N 81.663415 °W		285.4 ft msl		Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 03/04/92	Time: 14:20
Depth to water: 53.45 ft (16.29 m) below TOC	pH: 4.4
Water elevation: 231.95 ft (70.70 m) msl	Alkalinity: 0 mg/L
Sp. conductance: 25 µS/cm	Water temperature: 19.5°C
Water evacuated before sampling: 24 gal	

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	4.7	pH	0	GE
		Specific conductance	28	µS/cm	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	57	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	956	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chloride	2,050	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.4	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	8.3	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Magnesium	450	µg/L	0	GE
		Manganese	12	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	960	µg/L	0	GE
		Nitrate as nitrogen	980	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 44D collected on 03/04/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	7,190	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,690	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	2.3	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	22,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	1.4	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Gross alpha	2.8E+00 ± 1.6E-01	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.6E+00 ± 4.0E-01	pCi/L	0	GE
■		Tritium	1.0E+03 ± 2.5E+00	pCi/mL	2	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE

WELL BGO 45A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N75830.0	33.282492 °N	126.9-116.9 ft msl	278.9 ft msl	4" PVC	U. Congaree (IIA)
E54550.1	81.670457 °W				

FIELD MEASUREMENTS

Sample date: 01/17/92
 Depth to water: 118.02 ft (35.97 m) below TOC
 Water elevation: 160.88 ft (49.04 m) msl
 Sp. conductance: 191 µS/cm
 Water evacuated before sampling: 173 gal

Time: 14:40
 pH: 7.9
 Alkalinity: 79 mg/L
 Water temperature: 18.3°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	7.9	pH	0	GE
		Specific conductance	165	µS/cm	0	GE
•		Turbidity	0.70	NTU	0	GE
•		Acenaphthene	<10	µg/L	0	GE
•		Acenaphthylene	<10	µg/L	0	GE
•		Acetophenone	<10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 45A collected on 01/17/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	< 20	µg/L	0	GE
•		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	32	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	< 10	µg/L	0	GE
•		beta-Benzene hexachloride	< 10	µg/L	0	GE
•		delta-Benzene hexachloride	< 10	µg/L	0	GE
•		Benidine	< 10	µg/L	0	GE
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	32,000	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	1,960	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE

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WELL BGO 45A collected on 01/17/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Dichloromethane (Methylene chloride)	5.8	µg/L	0	GE
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	< 4.0	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 10	µg/L	0	GE
		Magnesium	477	µg/L	0	GE
		Manganese	< 2.0	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	760	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 45A collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	652	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	24,800	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	2,320	µg/L	0	GE
		Sulfate	2,820	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	114,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	37	µg/L	1	GE
•		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
		Tritium	< 7.0E-01	pCi/mL	0	GE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

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>Formation</u>
N75840.3 E54563.6	33.282536 °N 81.670441 °W	147.0-137.0 ft msl	278.6 ft msl	4" PVC	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/17/92
 Depth to water: 57.84 ft (17.63 m) below TOC
 Water elevation: 220.76 ft (67.29 m) msl
 Sp. conductance: 126 µS/cm
 Water evacuated before sampling: 44 gal
 The well went dry during purging.

Time: 14:25
 pH: 9.4
 Alkalinity: 39 mg/L
 Water temperature: 17.7°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	9.3	pH	1	GE
		Specific conductance	105	µS/cm	0	GE
•		Turbidity	0.93	NTU	0	GE
•		Acenaphthene	<10	µg/L	0	GE
•		Acenaphthylene	<10	µg/L	0	GE
•		Acetophenone	<10	µg/L	0	GE
•		Aldrin	<10	µg/L	0	GE
		Aluminum	22	µg/L	0	GE
•		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	40	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		Benidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	11,600	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	2,180	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WFL BGO 45B collected on 01/17/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	6.6	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 45B collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Lindane	< 10	µg/L	0	GE
		Magnesium	445	µg/L	0	GE
		Manganese	< 2.0	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	850	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	2,880	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	17,400	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	8,890	µg/L	0	GE
		Sulfate	3,910	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	67,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
•		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	< 2.0E + 00	pCi/L	0	GE
		Nonvolatile beta	2.6E + 00 ± 5.8E-01	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E + 00	pCi/L	0	GE
		Tritium	2.8E + 00 ± 2.0E-01	pCi/mL	0	GE
		Uranium-234	< 1.0E + 00	pCi/L	0	TE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 453 collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 45C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N75835.0	33.282547 °N	200.5-190.5 ft msl	278.6 ft msl	4" PVC	Barnwell (IIB ₁)
E54577.4	81.670395 °W				

FIELD MEASUREMENTS

Sample date: 01/17/92

Depth to water: 54.66 ft (16.66 m) below TOC

Water elevation: 223.94 ft (68.26 m) msl

Sp. conductance: 39 µS/cm

Water evacuated before sampling: 20 gal

The well went dry during purging.

Time: 14:50

pH: 5.6

Alkalinity: 7 mg/L

Water temperature: 17.3°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.8	pH	0	GE
		Specific conductance	35	µS/cm	0	GE
•		Turbidity	21	NTU	0	GE
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	< 20	µg/L	0	GE
•		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	12	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	< 10	µg/L	0	GE
•		beta-Benzene hexachloride	< 10	µg/L	0	GE
•		delta-Benzene hexachloride	< 10	µg/L	0	GE
•		Benidine	< 10	µg/L	0	GE
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 45C collected on 01/17/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Calcium	3,030	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	2,600	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
•		Dichloromethane (Methylene chloride)	3.4	µg/L	0	GE
		2,4-Dichlorophenol	< 10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 45C collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	30	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE
		Lead	8.1	µg/L	1	GE
•		Lindane	< 10	µg/L	0	GE
		Magnesium	581	µg/L	0	GE
		Manganese	36	µg/L	1	GE
		Mercury	< 0.20	µg/L	0	GE
		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	6.0	µg/L	0	GE
		Nitrate as nitrogen	860	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	1,120	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	8,200	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	2,650	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	25,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	8.8	µg/L	0	GE
•		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 45C collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Gross alpha	< 2.0E + 00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E + 00	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E + 00	pCi/L	0	GE
	■	Tritium	1.0E + 02 ± 8.0E-01	pCi/mL	2	GE
		Uranium-234	< 1.0E + 00	pCi/L	0	TE
		Uranium-235	< 1.0E + 00	pCi/L	0	TE
		Uranium-238	< 1.0E + 00	pCi/L	0	TE

WELL BGO 45D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N75854.3	33.282603 °N	229.6-209.6 ft msl	278.6 ft msl	4" PVC	Water Table (IIB ₂)
E54585.6	81.670411 °W				

FIELD MEASUREMENTS

Sample date: 01/17/92
 Depth to water: 49.93 ft (15.22 m) below TOC
 Water elevation: 228.67 ft (69.70 m) msl
 Sp. conductance: 27 µS/cm
 Water evacuated before sampling: 50 gal

Time: 15:30
 pH: 5.0
 Alkalinity: 0 mg/L
 Water temperature: 17.8°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.4	pH	0	GE
		Specific conductance	21	µS/cm	0	GE
•		Turbidity	0.25	NTU	0	GE
•		Turbidity	0.22	NTU	0	GE
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	< 20	µg/L	0	GE
•		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	6.4	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	< 10	µg/L	0	GE
•		beta-Benzene hexachloride	< 10	µg/L	0	GE
•		delta-Benzene hexachloride	< 10	µg/L	0	GE
•		Benzidine	< 10	µg/L	0	GE
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 45D collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	608	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	2,390	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	3.9	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 45D collected on 01/17/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
•		Lindane	<10	µg/L	0	GE
		Magnesium	461	µg/L	0	GE
		Manganese	7.8	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	990	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE
•		PCB 1260	<150	µg/L	0	GE
•		Pentachlorophenol	<10	µg/L	0	GE
•		Phenanthrene	<10	µg/L	0	GE
•		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
•		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	7,800	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,250	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
•		Total dissolved solids	17,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	26	µg/L	1	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 45D collected on 01/17/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<10	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
■		Tritium	1.4E+02 ± 9.0E-01	pCi/mL	2	GE
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE

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>Formation</u>
N75012.1	33.280511 °N	150.4-140.4 ft msl	265.4 ft msl	4" PVC	McBean (IIB ₁)
E54444.7	81.669146 °W				

FIELD MEASUREMENTS

Sample date: 01/20/92
 Depth to water: 46.89 ft (14.29 m) below TOC
 Water elevation: 218.51 ft (66.60 m) msl
 Sp. conductance: 65 µS/cm
 Water evacuated before sampling: 206 gal

Time: 13:30
 pH: 6.1
 Alkalinity: 22 mg/L
 Water temperature: 17.3°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.8	pH	0	GE
		Specific conductance	65	µS/cm	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	3.9	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	8,320	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chloride	2,120	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 46B collected on 01/20/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloroform	1.6	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	9.5	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	138	µg/L	0	GE
		Iron	< 4.0	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	351	µg/L	0	GE
		Manganese	3.5	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	620	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	< 500	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	13,200	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	2,850	µg/L	0	GE
		Sulfate	1,890	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	43,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	9.5	µg/L	0	GE
		Total phosphates (as P)	780	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	1.2	µg/L	0	GE
		Trichlorofluoromethane	3.2	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
■		Tritium	2.2E+01 ± 4.0E-01	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded 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>Formation</u>
N75012.1 E54444.7	33.280511 °N 81.669146 °W	150.4-140.4 ft msl	265.4 ft msl	4" PVC	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 03/09/92	Time: 11:50
Depth to water: 46.87 ft (14.29 m) below TOC	pH: 5.9
Water elevation: 218.53 ft (66.61 m) msl	Alkalinity: 15 mg/L
Sp. conductance: 63 µS/cm	Water temperature: 19.7°C
Water evacuated before sampling: 206 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 46C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N75022.2 E54433.9	33.280515 °N 81.669194 °W	188.0-178.0 ft msl	265.1 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/21/92	Time: 9:20
Depth to water: 44.95 ft (13.70 m) below TOC	pH: 5.6
Water elevation: 220.15 ft (67.10 m) msl	Alkalinity: 24 mg/L
Sp. conductance: 89 µS/cm	Water temperature: 17.6°C
Water evacuated before sampling: 27 gal	
The well went dry during purging.	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.5	pH	0	GE
		Specific conductance	92	µS/cm	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	24	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	6,010	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Chloride	2,980	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 46C collected on 01/21/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	1.3	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	5.0	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Iron	19	µg/L	0	GE
		Lead	3.7	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	520	µg/L	0	GE
		Manganese	65	µg/L	2	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		Nickel	9.3	µg/L	0	GE
		Nitrate as nitrogen	350	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	1,350	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	12,300	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	9,490	µg/L	0	GE
		Sulfate	13,200	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	58,000	µg/L	0	GE
		Total dissolved solids	50,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	19	µg/L	0	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	4.3	µg/L	1	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	2.7E+00 ± 4.9E-01	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
■		Tritium	9.4E+01 ± 8.0E-01	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 46C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N75022.2 E54433.9	33.280515 °N 81.669194 °W	188.0-178.0 ft msl	265.1 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 03/10/92	Time: 8:25
Depth to water: 45.03 ft (13.73 m) below TOC	pH: 5.3
Water elevation: 220.07 ft (67.08 m) msl	Alkalinity: 18 mg/L
Sp. conductance: 103 µS/cm	Water temperature: 19.0°C
Water evacuated before sampling: 28 gal	
The well went dry during purging.	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 46D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N75033.8 E54420.0	33.280518 °N 81.669253 °W	212.1-202.1 ft msl	265.1 ft msl	4" PVC	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/20/92	Time: 13:15
Depth to water: 39.32 ft (11.98 m) below TOC	pH: 5.2
Water elevation: 225.78 ft (68.82 m) msl	Alkalinity: 1 mg/L
Sp. conductance: 40 µS/cm	Water temperature: 18.5°C
Water evacuated before sampling: 63 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.4	pH	0	GE
		Specific conductance	32	µS/cm	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	4.9	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	652	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Chloride	3,960	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 46D collected on 01/20/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	3.7	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
	■	1,2-Dichloroethane	22	µg/L	2	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.5	µg/L	0	GE
●		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Iron	5.3	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	274	µg/L	0	GE
		Manganese	15	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
		Methoxychlor	< 0.50	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
●		Nitrate as nitrogen	1,250	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	< 500	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	7,480	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	4,800	µg/L	0	GE
		Sulfate	1,980	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
	■	Tetrachloroethylene	6.8	µg/L	2	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	41,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	199	µg/L	2	GE
		Total phosphates (as P)	150	µg/L	0	GE
		Toxaphene	< 0.24	µg/L	0	GE
●		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
	■	Trichloroethylene	64	µg/L	2	GE
		Trichlorofluoromethane	12	µg/L	2	GE
		Gross alpha	< 2.0E + 00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E + 00	pCi/L	0	GE
		Total alpha-emitting radium	1.1E + 00 ± 4.0E-01	pCi/L	0	GE
	■	Tritium	2.2E + 04 ± 1.2E + 01	pCi/mL	2	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 46D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N75033.8 E54420.0	33.280518 °N 81.669253 °W	212.1-202.1 ft msl	265.1 ft msl	4" PVC	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 03/09/92	Time: 11:00
Depth to water: 39.39 ft (12.01 m) below TOC	pH: 4.3
Water elevation: 225.71 ft (68.80 m) msl	Alkalinity: 0 mg/L
Sp. conductance: 39 µS/cm	Water temperature: 19.7°C
Water evacuated before sampling: 63 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	< 1.0E + 00	pCi/L	0	TE
		Uranium-235	< 1.0E + 00	pCi/L	0	TE
		Uranium-238	< 1.0E + 00	pCi/L	0	TE

WELL BGO 47A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N74728.8 E54914.0	33.280650 °N 81.667360 °W	96.8-86.8 ft msl	266.9 ft msl	4" PVC	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 01/20/92	Time: 11:45
Depth to water: 104.04 ft (31.71 m) below TOC	pH: 6.9
Water elevation: 162.86 ft (49.64 m) msl	Alkalinity: 47 mg/L
Sp. conductance: 150 µS/cm	Water temperature: 18.4°C
Water evacuated before sampling: 301 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	7.2	pH	0	GE
		Specific conductance	95	µS/cm	0	GE
		Arsenic	6.1	µg/L	0	GE
		Barium	34	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	23,200	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Chloride	2,590	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 47A collected on 01/20/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	1.5	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	9.8	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	162	µg/L	0	GE
		Iron	6.0	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	710	µg/L	0	GE
		Manganese	64	µg/L	2	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	< 50	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	1,590	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	24,500	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	2,500	µg/L	0	GE
		Sulfate	5,340	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	90,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total phosphates (as P)	500	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		Gross alpha	< 2.0E + 00	pCi/L	0	GE
		Nonvolatile beta	2.2E + 00 ± 5.3E-01	pCi/L	0	GE
		Total alpha-emitting radium	1.1E + 00 ± 3.0E-01	pCi/L	0	GE
		Tritium	< 7.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 47A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N74728.8 E54914.0	33.280650 °N 81.667360 °W	96.8-86.8 ft msl	266.9 ft msl	4" PVC	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 03/09/92	Time: 10:30
Depth to water: 103.98 ft (31.69 m) below TOC	pH: 6.3
Water elevation: 162.92 ft (49.66 m) msl	Alkalinity: 48 mg/L
Sp. conductance: 149 µS/cm	Water temperature: 18.9°C
Water evacuated before sampling: 251 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE

WELL BGO 47C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N74752.0 E54933.4	33.280733 °N 81.667354 °W	188.6-178.6 ft msl	267.6 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/20/92	Time: 11:30
Depth to water: 44.45 ft (13.55 m) below TOC	pH: 5.3
Water elevation: 223.15 ft (68.02 m) msl	Alkalinity: 3 mg/L
Sp. conductance: 34 µS/cm	Water temperature: 17.6°C
Water evacuated before sampling: 118 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.9	pH	0	GE
		Specific conductance	30	µS/cm	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	8.8	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,960	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chloride	1,870	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 47C collected on 01/20/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	2.4	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	10	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Iron	< 4.0	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	563	µg/L	0	GE
		Manganese	10	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	1,440	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	658	µg/L	0	GE
		Selenium	6.8	µg/L	0	GE
		Silica	9,930	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	1,910	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	20,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	12	µg/L	0	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	3.7	µg/L	1	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		Gross alpha	< 2.0E + 00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E + 00	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E + 00	pCi/L	0	GE
■		Tritium	3.8E + 02 ± 1.5E + 00	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 47C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N74752.0 E54933.4	33.280733 °N 81.667354 °W	188.6-178.6 ft msl	267.6 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 03/09/92	Time: 10:15
Depth to water: 44.44 ft (13.55 m) below TOC	pH: 4.9
Water elevation: 223.16 ft (68.02 m) msl	Alkalinity: 3 mg/L
Sp. conductance: 33 µS/cm	Water temperature: 19.5°C
Water evacuated before sampling: 118 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 47D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N74739.7 E54922.9	33.280689 °N 81.667357 °W	213.4-203.4 ft msl	267.4 ft msl	4" PVC	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/20/92	Time: 12:00
Depth to water: 40.56 ft (12.36 m) below TOC	pH: 4.8
Water elevation: 226.84 ft (69.14 m) msl	Alkalinity: 2 mg/L
Sp. conductance: 41 µS/cm	Water temperature: 18.4°C
Water evacuated before sampling: 63 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.7	pH	0	GE
		Specific conductance	30	µS/cm	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	11	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	1,800	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Chloride	2,800	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 47D collected on 01/20/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	3.3	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
•		Dichloromethane (Methylene chloride)	1.1	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	726	µg/L	0	GE
		Manganese	20	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	2,030	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	8,920	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,910	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	46,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	27	µg/L	1	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
■		Trichloroethylene	13	µg/L	2	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	2.0E+00 ± 4.0E-01	pCi/L	0	GE
■		Tritium	3.3E+03 ± 4.5E+00	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 47D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N74739.7 E54922.9	33.280689 °N 81.667357 °W	213.4-203.4 ft msl	267.4 ft msl	4" PVC	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 03/09/92	Time: 10:00
Depth to water: 40.75 ft (12.42 m) below TOC	pH: 4.4
Water elevation: 226.65 ft (69.08 m) msl	Alkalinity: 1 mg/L
Sp. conductance: 41 µS/cm	Water temperature: 18.9°C
Water evacuated before sampling: 62 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 48C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N74599.6 E55124.4	33.280708 °N 81.666555 °W	186.7-176.7 ft msl	276.6 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/20/92	Time: 10:45
Depth to water: 52.55 ft (16.02 m) below TOC	pH: 5.6
Water elevation: 224.05 ft (68.29 m) msl	Alkalinity: 3 mg/L
Sp. conductance: 39 µS/cm	Water temperature: 18.5°C
Water evacuated before sampling: 158 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.8	pH	0	GE
		Specific conductance	35	µS/cm	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	12	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	2,080	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 48C collected on 01/20/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloride	1,900	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	1.1	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	5.5	µg/L	0	GE
●		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
●		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
●		Lindane	<0.0050	µg/L	0	GE
		Magnesium	605	µg/L	0	GE
		Manganese	15	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
●		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	2,090	µg/L	0	GE
		Nitrate as nitrogen	2,000	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	8,560	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,380	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	25,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	48	µg/L	1	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
●		Toxaphene	<0.24	µg/L	0	GE
●		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	2.1	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
■		Tritium	1.7E+03 ± 3.2E+00	pCi/mL	2	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 48C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N74599.6 E55124.4	33.280708 °N 81.666555 °W	186.7-176.7 ft msl	276.6 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 03/09/92	Time: 9:35
Depth to water: 52.62 ft (16.04 m) below TOC	pH: 4.5
Water elevation: 223.98 ft (68.27 m) msl	Alkalinity: 1 mg/L
Sp. conductance: 35 µS/cm	Water temperature: 19.2°C
Water evacuated before sampling: 126 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE

WELL BGO 48D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N74586.4 E55121.0	33.280673 °N 81.666538 °W	212.0-202.0 ft msl	276.9 ft msl	4" PVC	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/20/92	Time: 10:25
Depth to water: 49.70 ft (15.15 m) below TOC	pH: 4.6
Water elevation: 227.20 ft (69.25 m) msl	Alkalinity: 0 mg/L
Sp. conductance: 54 µS/cm	Water temperature: 13.6°C
Water evacuated before sampling: 68 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.1	pH	0	GE
		Specific conductance	40	µS/cm	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	129	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	882	µg/L	0	GE
		Carbon tetrachloride	2.3	µg/L	0	GE
		Chloride	4,480	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 48D collected on 01/20/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	3.7	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.2	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	878	µg/L	0	GE
		Manganese	9.7	µg/L	0	GE
		Mercury	0.52	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	2,840	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	8,480	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	4,190	µg/L	0	GE
		Sulfate	2,780	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
	■	Tetrachloroethylene	20	µg/L	2	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	41,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	131	µg/L	2	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
	■	Trichloroethylene	135	µg/L	2	GE
		Trichlorofluoromethane	14	µg/L	2	GE
		Gross alpha	1.1E+01 ± 9.1E-01	pCi/L	1	GE
		Nonvolatile beta	6.8E+00 ± 7.3E-01	pCi/L	0	GE
	■	Total alpha-emitting radium	6.1E+00 ± 7.0E-01	pCi/L	2	GE
	■	Tritium	4.2E+04 ± 1.6E+01	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 48D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N74586.4 E55121.0	33.280673 °N 81.666538 °W	212.0-202.0 ft msl	276.9 ft msl	4" PVC	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 03/09/92	Time: 9:25
Depth to water: 49.86 ft (15.20 m) below TOC	pH: 3.8
Water elevation: 227.04 ft (69.20 m) msl	Alkalinity: 0 mg/L
Sp. conductance: 52 µS/cm	Water temperature: 19.5°C
Water evacuated before sampling: 67 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	<1.0E+00	pCi/L	0	TE
		Uranium-235	<1.0E+00	pCi/L	0	TE
		Uranium-238	<1.0E+00	pCi/L	0	TE

WELL BGO 49A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N73902.8 E56205.1	33.280930 °N 81.662356 °W	85.1-75.1 ft msl	271.2 ft msl	4" PVC	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 01/22/92	Time: 13:15
Depth to water: 105.70 ft (32.22 m) below TOC	pH: 10.2
Water elevation: 165.50 ft (50.45 m) msl	Alkalinity: 109 mg/L
Sp. conductance: 202 µS/cm	Water temperature: 17.3°C
Water evacuated before sampling: 358 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	10	pH	2	GE
		Specific conductance	190	µS/cm	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	30	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	35,100	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chloride	2,310	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 49A collected on 01/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	6.1	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Iron	4.1	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	550	µg/L	0	GE
		Manganese	10	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	< 50	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	7,250	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	20,700	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	4,040	µg/L	0	GE
		Sulfate	2,850	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	126,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	17	µg/L	0	GE
		Total phosphates (as P)	90	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	7.2E+00 ± 7.5E-01	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
		Tritium	< 7.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 49A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N73902.8 E56205.1	33.280930 °N 81.662356 °W	85.1-75.1 ft msl	271.2 ft msl	4" PVC	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 03/03/92	Time: 9:40
Depth to water: 105.64 ft (32.20 m) below TOC	pH: 9.2
Water elevation: 165.56 ft (50.46 m) msl	Alkalinity: 88 mg/L
Sp. conductance: 196 µS/cm	Water temperature: 18.9°C
Water evacuated before sampling: 358 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 49C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N73917.2 E56202.2	33.280957 °N 81.662391 °W	176.0-166.0 ft msl	271.1 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/22/92	Time: 12:50
Depth to water: 42.69 ft (13.01 m) below TOC	pH: 6.9
Water elevation: 228.41 ft (69.62 m) msl	Alkalinity: 19 mg/L
Sp. conductance: 76 µS/cm	Water temperature: 18.2°C
Water evacuated before sampling: 329 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	7.2	pH	0	GE
		Specific conductance	80	µS/cm	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	38	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	6,210	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Chloride	2,370	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 49C collected on 01/22/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.8	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	15	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
		Magnesium	216	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	500	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	2,920	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	11,400	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	5,740	µg/L	0	GE
		Sulfate	3,750	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	52,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	43	µg/L	1	GE
		Total phosphates (as P)	160	µg/L	0	GE
		Total phosphates (as P)	150	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	2.6E+00 ± 5.8E-01	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	2.0E+01 ± 4.0E-01	pCi/mL	1	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 49C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N73917.2	33.280957 °N	176.0-166.0 ft msl	271.1 ft msl	4" PVC	Barnwell (IIB ₁)
E56202.2	81.662391 °W				

FIELD MEASUREMENTS

Sample date: 03/03/92	Time: 9:20
Depth to water: 42.76 ft (13.03 m) below TOC	pH: 6.0
Water elevation: 228.34 ft (69.60 m) msl	Alkalinity: 20 mg/L
Sp. conductance: 76 µS/cm	Water temperature: 18.3°C
Water evacuated before sampling: 247 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

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>Formation</u>
N73931.5	33.280983 °N	238.5-218.5 ft msl	271.5 ft msl	4" PVC	Water Table (IIB ₂)
E56198.8	81.662428 °W				

FIELD MEASUREMENTS

Sample date: 01/22/92	Time: 11:40
Depth to water: 36.93 ft (11.26 m) below TOC	pH: 5.7
Water elevation: 234.57 ft (71.50 m) msl	Alkalinity: 3 mg/L
Sp. conductance: 30 µS/cm	Water temperature: 16.9°C
Water evacuated before sampling: 9 gal	
The well went dry during purging.	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.7	pH	0	GE
		Specific conductance	30	µS/cm	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	8.3	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	516	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Chloride	1,520	µg/L	0	GE
		Chloride	1,550	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 49D collected on 01/22/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	3.2	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Iron	12	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	344	µg/L	0	GE
		Manganese	5.1	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	1,860	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	656	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	6,550	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	3,750	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	27,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	27	µg/L	1	GE
		Total phosphates (as P)	100	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
■		Tritium	2.3E+01 ± 4.0E-01	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

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>Formation</u>
N73931.5 E56198.8	33.280983 °N 81.662428 °W	238.5-218.5 ft msl	271.5 ft msl	4" PVC	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 03/10/92	Time: 9:10
Depth to water: 37.00 ft (11.28 m) below TOC	pH: 4.5
Water elevation: 234.50 ft (71.48 m) msl	Alkalinity: 1 mg/L
Sp. conductance: 53 µS/cm	Water temperature: 17.7°C
Water evacuated before sampling: 9 gal	
The well went dry during purging.	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 50A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N75201.2 E54179.8	33.280497 °N 81.670210 °W	100.5-90.5 ft msl	255.4 ft msl		U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 01/21/92	Time: 9:50
Depth to water: 94.94 ft (28.94 m) below TOC	pH: 11.9
Water elevation: 160.46 ft (48.91 m) msl	Alkalinity: 164 mg/L
Sp. conductance: 625 µS/cm	Water temperature: 17.6°C
Water evacuated before sampling: 41 gal	
The well went dry during purging.	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	12	pH	2	GE
		Specific conductance	850	µS/cm	2	GE
		Arsenic	8.5	µg/L	0	GE
		Barium	138	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	52,800	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Chloride	2,020	µg/L	0	GE
		Chloride	1,940	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 50A collected on 01/21/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	8.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	5.1	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	180	µg/L	0	GE
		Iron	12	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	16	µg/L	0	GE
		Manganese	< 2.0	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	280	µg/L	0	GE
		Nitrate as nitrogen	280	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	10,900	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	17,100	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	39,500	µg/L	0	GE
		Sulfate	8,470	µg/L	0	GE
		Sulfate	8,480	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	237,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	79	µg/L	2	GE
		Total phosphates (as P)	50	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	1.0E+01 ± 1.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	2.0E+00 ± 5.0E-01	pCi/L	0	GE
		Tritium	< 7.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 50A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N75201.2 E54179.8	33.280497 °N 81.670210 °W	100.5-90.5 ft msl	255.4 ft msl		U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 03/10/92	Time: 8:50
Depth to water: 94.67 ft (28.86 m) below TOC	pH: 11.7
Water elevation: 160.73 ft (48.99 m) msl	Alkalinity: 191 mg/L
Sp. conductance: 3050 μ S/cm	Water temperature: 18.9°C
Water evacuated before sampling: 40 gal	
The well went dry during purging.	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 50C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N75190.4 E54197.0	33.280501 °N 81.670144 °W	172.5-162.5 ft msl	255.5 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/21/92	Time: 10:05
Depth to water: 36.32 ft (11.07 m) below TOC	pH: 5.6
Water elevation: 219.18 ft (66.81 m) msl	Alkalinity: 4 mg/L
Sp. conductance: 43 μ S/cm	Water temperature: 17.6°C
Water evacuated before sampling: 38 gal	
The well went dry during purging.	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.9	pH	0	GE
		Specific conductance	40	μ S/cm	0	GE
		Arsenic	< 2.0	μ g/L	0	GE
		Barium	7.8	μ g/L	0	GE
		Benzene	< 1.0	μ g/L	0	GE
		Bromodichloromethane	< 1.0	μ g/L	0	GE
		Bromoform	< 1.0	μ g/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	μ g/L	0	GE
		Cadmium	< 2.0	μ g/L	0	GE
		Calcium	2,070	μ g/L	0	GE
		Carbon tetrachloride	< 1.0	μ g/L	0	GE
		Chloride	2,520	μ g/L	0	GE
		Chlorobenzene	< 1.0	μ g/L	0	GE
		Chloroethane	< 1.0	μ g/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 50C collected on 01/21/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	4.4	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Iron	21	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	389	µg/L	0	GE
		Manganese	31	µg/L	1	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	500	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	558	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	11,300	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	2,600	µg/L	0	GE
		Sulfate	2,420	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	25,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	14	µg/L	0	GE
		Total phosphates (as P)	70	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
■		Trichloroethylene	9.0	µg/L	2	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	2.0E+00 ± 5.4E-01	pCi/L	0	GE
		Total alpha-emitting radium	1.2E+00 ± 4.0E-01	pCi/L	0	GE
■		Tritium	6.4E+01 ± 7.0E-01	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 50C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N75190.4 E54197.0	33.280501 °N 81.670144 °W	172.5-162.5 ft msl	255.5 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 03/10/92	Time: 8:40
Depth to water: 36.46 ft (11.11 m) below TOC	pH: 4.3
Water elevation: 219.04 ft (66.76 m) msl	Alkalinity: 1 mg/L
Sp. conductance: 38 µS/cm	Water temperature: 18.1°C
Water evacuated before sampling: 40 gal	
The well went dry during purging.	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

WELL BGO 50D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N75181.3 E54209.1	33.280501 °N 81.670095 °W	228.0-208.0 ft msl	256.0 ft msl	4" PVC	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/20/92	Time: 14:25
Depth to water: 30.39 ft (9.26 m) below TOC	pH: 6.6
Water elevation: 225.61 ft (68.77 m) msl	Alkalinity: 9 mg/L
Sp. conductance: 97 µS/cm	Water temperature: 18.3°C
Water evacuated before sampling: 132 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.5	pH	0	GE
		Specific conductance	79	µS/cm	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	9.4	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	10,600	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Chloride	3,180	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 50D collected on 01/20/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	1.1	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	2.2	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	4.9	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Iron	< 4.0	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	438	µg/L	0	GE
		Manganese	7.1	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	1,270	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	745	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	7,790	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	2,410	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	42,000	µg/L	0	GE
		Total organic carbon	1,000	µg/L	0	GE
		Total organic halogens	78	µg/L	2	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
■		Trichloroethylene	7.6	µg/L	2	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
■		Tritium	2.0E+03 ± 3.5E+00	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGO 50D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N75181.3 E54209.1	33.280501 °N 81.670095 °W	228.0-208.0 ft msl	256.0 ft msl	4" PVC	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 03/09/92	Time: 12:30
Depth to water: 30.45 ft (9.28 m) below TOC	pH: 5.7
Water elevation: 225.55 ft (68.75 m) msl	Alkalinity: 20 mg/L
Sp. conductance: 59 μ S/cm	Water temperature: 20.1°C
Water evacuated before sampling: 59 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Uranium-234	< 1.0E+00	pCi/L	0	TE
		Uranium-235	< 1.0E+00	pCi/L	0	TE
		Uranium-238	< 1.0E+00	pCi/L	0	TE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 1A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N76831.9 E58590.4	33.291300 °N 81.661764 °W	124.1-114.1 ft msl	291.2 ft msl	4" PVC	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 01/29/92
 Depth to water: 132.41 ft (40.36 m) below TOC
 Water elevation: 158.79 ft (48.40 m) msl
 Sp. conductance: 4300 μ S/cm
 Water evacuated before sampling: 10 gal
 The well went dry during purging.

Time: 11:20
 pH: 12.6
 Alkalinity: 939 mg/L
 Water temperature: 17.6°C

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	13	pH	2	GE
•		pH	13	pH	2	GE
•		pH	13	pH	2	GE
•		pH	13	pH	2	GE
		Specific conductance	3,300	μ S/cm	2	GE
		Specific conductance	3,300	μ S/cm	2	GE
		Specific conductance	3,350	μ S/cm	2	GE
		Specific conductance	3,400	μ S/cm	2	GE
		Arsenic	< 2.0	μ g/L	0	GE
		Barium	723	μ g/L	0	GE
		Benzene	< 1.0	μ g/L	0	GE
		Bromodichloromethane	< 1.0	μ g/L	0	GE
		Bromoform	< 1.0	μ g/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	μ g/L	0	GE
		Cadmium	< 4.0	μ g/L	0	GE
		Calcium	270,000	μ g/L	0	GE
		Carbon tetrachloride	< 1.0	μ g/L	0	GE
		Chloride	1,800	μ g/L	0	GE
		Chlorobenzene	< 1.0	μ g/L	0	GE
		Chloroethane	< 1.0	μ g/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	μ g/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	μ g/L	0	GE
		Chloroform	< 1.0	μ g/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	μ g/L	0	GE
		Chromium	< 8.0	μ g/L	0	GE
		Dibromochloromethane	< 1.0	μ g/L	0	GE
		1,1-Dichloroethane	< 1.0	μ g/L	0	GE
		1,2-Dichloroethane	< 1.0	μ g/L	0	GE
		1,1-Dichloroethylene	< 1.0	μ g/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	μ g/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	μ g/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	μ g/L	0	GE
		1,2-Dichloropropane	< 1.0	μ g/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	μ g/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	μ g/L	0	GE
•		Endrin	< 0.0060	μ g/L	0	GE
		Ethylbenzene	< 1.0	μ g/L	0	GE
		Fluoride	165	μ g/L	0	GE
		Iron	4.5	μ g/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 1A collected on 01/29/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Lead	3.4	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
		Magnesium	10	µg/L	0	GE
		Manganese	<4.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
		Nitrate as nitrogen	60	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	103,000	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	3,960	µg/L	0	GE
		Silver	<4.0	µg/L	0	GE
		Sodium	101,000	µg/L	0	GE
		Sulfate	13,200	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	1.0E+06	µg/L	0	GE
		Total organic carbon	5,000	µg/L	1	GE
		Total organic carbon	6,000	µg/L	1	GE
		Total organic carbon	6,000	µg/L	1	GE
		Total organic carbon	6,000	µg/L	1	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
■		Gross alpha	2.4E+01 ± 1.3E+00	pCi/L	2	GE
■		Nonvolatile beta	5.1E+01 ± 1.6E+00	pCi/L	2	GE
■		Total alpha-emitting radium	7.8E+00 ± 7.0E-01	pCi/L	2	GE
■		Tritium	2.0E+02 ± 1.1E+00	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 1C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N76820.0 E58599.8	33.291289 °N 81.661716 °W	186.0-176.0 ft msl	291.3 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/29/92	Time: 11:40
Depth to water: 74.63 ft (22.75 m) below TOC	pH: 11.3
Water elevation: 216.67 ft (66.04 m) msl	Alkalinity: 118 mg/L
Sp. conductance: 563 µS/cm	Water temperature: 17.4°C
Water evacuated before sampling: 16 gal	
The well went dry during purging.	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	11	pH	2	GE
•		pH	12	pH	2	GE
•		pH	12	pH	2	GE
•		pH	12	pH	2	GE
		Specific conductance	295	µS/cm	1	GE
		Specific conductance	300	µS/cm	1	GE
		Specific conductance	305	µS/cm	1	GE
		Specific conductance	310	µS/cm	1	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	78	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	34,400	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chloride	1,320	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	111	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 1C collected on 01/29/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Lead	<3.0	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
		Magnesium	194	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
		Nitrate as nitrogen	840	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	4,650	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	11,500	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	4,580	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	123,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	80	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	2.2E+00 ± 5.4E-01	pCi/L	0	GE
		Total alpha-emitting radium	2.1E+00 ± 5.0E-01	pCi/L	0	GE
■		Tritium	2.6E+02 ± 1.3E+00	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

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>Formation</u>
N76809.5	33.291280 °N	234.7-214.7 ft msl	291.3 ft msl	4" PVC	Water Table (IIB ₂)
E58608.6	81.661673 °W				

FIELD MEASUREMENTS

Sample date: 01/29/92	Time: 12:00
Depth to water: 61.20 ft (18.65 m) below TOC	pH: 5.5
Water elevation: 230.10 ft (70.14 m) msl	Alkalinity: 18 mg/L
Sp. conductance: 80 µS/cm	Water temperature: 17.7°C
Water evacuated before sampling: 8 gal	
The well went dry during purging.	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.5	pH	0	GE
•		pH	6.5	pH	0	GE
•		pH	6.6	pH	0	GE
•		pH	6.6	pH	0	GE
		Specific conductance	50	µS/cm	0	GE
		Specific conductance	50	µS/cm	0	GE
		Specific conductance	50	µS/cm	0	GE
		Specific conductance	52	µS/cm	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	16	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	5,150	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Chloride	3,320	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Iron	20	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 1D collected on 01/29/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Lead	<3.0	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
		Magnesium	697	µg/L	0	GE
		Manganese	119	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
		Nitrate as nitrogen	950	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	1,460	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	10,200	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	4,930	µg/L	0	GE
		Sulfate	3,110	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	36,000	µg/L	0	GE
		Total dissolved solids	45,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	8.1	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	340	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.1E+00 ± 4.0E-01	pCi/L	0	GE
■		Tritium	3.9E+02 ± 1.6E+00	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

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>Formation</u>
N77203.4	33.291577 °N	147.2-137.2 ft msl	291.3 ft msl	4" PVC	McBean (IIB ₁)
E58256.5	81.663365 °W				

FIELD MEASUREMENTS

Sample date: 01/29/92	Time: 10:25
Depth to water: 78.18 ft (23.83 m) below TOC	pH: 8.2
Water elevation: 213.12 ft (64.96 m) msl	Alkalinity: 103 mg/L
Sp. conductance: 214 µS/cm	Water temperature: 17.5°C
Water evacuated before sampling: 51 gal	
The well went dry during purging.	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	7.5	pH	0	GE
•		pH	7.5	pH	0	GE
•		pH	7.5	pH	0	GE
•		pH	7.6	pH	0	GE
		Specific conductance	170	µS/cm	0	GE
		Specific conductance	175	µS/cm	0	GE
		Specific conductance	180	µS/cm	0	GE
		Specific conductance	190	µS/cm	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	85	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	41,800	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chloride	2,360	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	5.9	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 2B collected on 01/29/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Lead	<3.0	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
		Magnesium	741	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
		Nitrate as nitrogen	620	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	2,140	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	25,700	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	5,820	µg/L	0	GE
		Sulfate	4,220	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	154,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	6.1	µg/L	0	GE
		Total organic halogens	6.7	µg/L	0	GE
		Total organic halogens	7.8	µg/L	0	GE
		Total organic halogens	13	µg/L	0	GE
		Total phosphates (as P)	120	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	2.3E+00 ± 6.1E-01	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	1.6E+00 ± 2.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N77192.4 E58265.6	33.291567 °N 81.663320 °W	191.1-181.1 ft msl	291.1 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/29/92	Time: 10:45
Depth to water: 74.87 ft (22.82 m) below TOC	pH: 5.0
Water elevation: 216.23 ft (65.91 m) msl	Alkalinity: 3 mg/L
Sp. conductance: 36 µS/cm	Water temperature: 17.4°C
Water evacuated before sampling: 22 gal	
The well went dry during purging.	

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.4	pH	0	GE
•		pH	5.5	pH	0	GE
•		pH	5.6	pH	0	GE
•		pH	5.7	pH	0	GE
		Specific conductance	28	µS/cm	0	GE
		Specific conductance	28	µS/cm	0	GE
		Specific conductance	28	µS/cm	0	GE
		Specific conductance	30	µS/cm	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	5.4	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	2,640	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Chloride	2,100	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Iron	16	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 2D collected on 01/29/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Lead	<3.0	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
		Magnesium	413	µg/L	0	GE
		Manganese	21	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
		Nitrate as nitrogen	1,660	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	921	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	8,530	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,050	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	27,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
■		Trichloroethylene	8.8	µg/L	2	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.1E+00 ± 4.0E-01	pCi/L	0	GE
■		Tritium	9.8E+01 ± 8.0E-01	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 3D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N77577.0 E57780.1	33.291626 °N 81.665346 °W	221.6-201.6 ft msl	291.2 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/29/92	Time: 13:05
Depth to water: 75.04 ft (22.87 m) below TOC	pH: 5.3
Water elevation: 216.16 ft (65.89 m) msl	Alkalinity: 3 mg/L
Sp. conductance: 30 µS/cm	Water temperature: 17.7°C
Water evacuated before sampling: 39 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.7	pH	0	GE
•		pH	5.7	pH	0	GE
•		pH	5.8	pH	0	GE
•		pH	5.8	pH	0	GE
		Specific conductance	20	µS/cm	0	GE
		Specific conductance	22	µS/cm	0	GE
		Specific conductance	22	µS/cm	0	GE
		Specific conductance	25	µS/cm	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	9.8	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,330	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chloride	1,830	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	11	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 3D collected on 01/29/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	563	µg/L	0	GE
		Manganese	34	µg/L	1	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		Nitrate as nitrogen	890	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	< 500	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	8,630	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	2,220	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	22,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	2.2	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		Gross alpha	< 2.0E + 00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E + 00	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E + 00	pCi/L	0	GE
■		Tritium	1.1E + 03 ± 2.6E + 00	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 4A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N77879.2 E57215.6	33.291373 °N 81.667419 °W	116.8-106.8 ft msl	290.9 ft msl	4" PVC	U. Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 01/29/92	Time: 14:10
Depth to water: 135.17 ft (41.20 m) below TOC	pH: 7.7
Water elevation: 155.73 ft (47.47 m) msl	Alkalinity: 123 mg/L
Sp. conductance: 286 µS/cm	Water temperature: 19.0°C
Water evacuated before sampling: 129 gal	

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	7.4	pH	0	GE
•		pH	7.4	pH	0	GE
•		pH	7.4	pH	0	GE
•		pH	7.5	pH	0	GE
		Specific conductance	190	µS/cm	0	GE
		Specific conductance	190	µS/cm	0	GE
		Specific conductance	210	µS/cm	0	GE
		Specific conductance	230	µS/cm	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	36	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	52,400	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chloride	2,810	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	8.9	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 4A collected on 01/29/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Lead	<3.0	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
		Magnesium	1,390	µg/L	0	GE
		Manganese	22	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	1,580	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	32,900	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,650	µg/L	0	GE
		Sulfate	7,340	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	185,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	50	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

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WELL BGX 4C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N77886.2 E57202.2	33.291367 °N 81.667468 °W	180.7-170.7 ft msl	290.8 ft msl	4" PVC	McBean (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/29/92	Time: 13:50
Depth to water: 74.75 ft (22.78 m) below TOC	pH: 6.5
Water elevation: 216.05 ft (65.85 m) msl	Alkalinity: 37 mg/L
Sp. conductance: 98 µS/cm	Water temperature: 18.2°C
Water evacuated before sampling: 120 gal	

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	6.5	pH	0	GE
•		pH	6.5	pH	0	GE
•		pH	6.5	pH	0	GE
•		pH	6.6	pH	0	GE
		Specific conductance	70	µS/cm	0	GE
		Specific conductance	72	µS/cm	0	GE
		Specific conductance	78	µS/cm	0	GE
		Specific conductance	80	µS/cm	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	8.7	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	14,300	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Chloride	2,360	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	110	µg/L	0	GE
		Iron	< 4.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 4C collected on 01/29/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Lead	<3.0	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
		Magnesium	870	µg/L	0	GE
		Manganese	5.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
		Nitrate as nitrogen	860	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	9,770	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	3,260	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	61,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	1.8	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	2.9E+00 ± 2.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N77893.9 E57186.2	33.291358 °N 81.667525 °W	223.8-203.8 ft msl	290.9 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/30/92	Time: 10:25
Depth to water: 73.60 ft (22.43 m) below TOC	pH: 5.7
Water elevation: 217.30 ft (66.23 m) msl	Alkalinity: 4 mg/L
Sp. conductance: 40 µS/cm	Water temperature: 18.0°C
Water evacuated before sampling: 36 gal	

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.8	pH	0	GE
•		pH	5.8	pH	0	GE
•		pH	5.8	pH	0	GE
•		pH	5.9	pH	0	GE
		Specific conductance	30	µS/cm	0	GE
		Specific conductance	30	µS/cm	0	GE
		Specific conductance	30	µS/cm	0	GE
		Specific conductance	30	µS/cm	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	8.6	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	1,380	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Chloride	2,610	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Iron	5.4	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 4D collected on 01/30/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Lead	<3.0	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
		Magnesium	520	µg/L	0	GE
		Manganese	31	µg/L	1	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
		Nitrate as nitrogen	1,870	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	8,650	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	4,050	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	30,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	7.9	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
■		Tritium	5.9E+01 ± 6.0E-01	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 5D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N78402.0 E57308.6	33.292681 °N 81.668190 °W	215.0-195.0 ft msl	285.0 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 03/05/92
 Depth to water: 74.63 ft (22.75 m) below TOC
 Water elevation: 210.37 ft (64.12 m) msl
 Sp. conductance: 58 μ S/cm
 Water evacuated before sampling: 42 gal

Time: 11:00
 pH: 4.6
 Alkalinity: 5 mg/L
 Water temperature: 18.3°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.9	pH	0	WA
•		pH	5.8	pH	0	WA
•		pH	5.4	pH	0	GE
•		pH	5.4	pH	0	GE
•		pH	5.5	pH	0	GE
•		pH	5.5	pH	0	GE
•		pH	5.6	pH	0	GE
•		pH	5.4	pH	0	GE
•		pH	5.4	pH	0	GE
•		pH	5.4	pH	0	GE
		Specific conductance	45	μ S/cm	0	WA
		Specific conductance	45	μ S/cm	0	WA
		Specific conductance	58	μ S/cm	0	GE
		Specific conductance	55	μ S/cm	0	GE
		Specific conductance	58	μ S/cm	0	GE
		Specific conductance	58	μ S/cm	0	GE
		Specific conductance	60	μ S/cm	0	GE
		Specific conductance	55	μ S/cm	0	GE
		Specific conductance	58	μ S/cm	0	GE
		Specific conductance	59	μ S/cm	0	GE
		Arsenic	<2.0	μ g/L	0	WA
		Arsenic	<2.0	μ g/L	0	WA
		Arsenic	<2.0	μ g/L	0	GE
		Arsenic	<2.0	μ g/L	0	GE
		Barium	20	μ g/L	0	WA
		Barium	21	μ g/L	0	WA
		Barium	22	μ g/L	0	GE
		Barium	22	μ g/L	0	GE
		Benzene	<5.0	μ g/L	0	WA
		Benzene	<5.0	μ g/L	0	WA
		Benzene	<1.0	μ g/L	0	GE
		Benzene	<1.0	μ g/L	0	GE
		Benzene	<1.0	μ g/L	0	GE
		Bromodichloromethane	<5.0	μ g/L	0	WA
		Bromodichloromethane	<5.0	μ g/L	0	WA
		Bromodichloromethane	<1.0	μ g/L	0	GE
		Bromodichloromethane	<1.0	μ g/L	0	GE
		Bromodichloromethane	<1.0	μ g/L	0	GE
		Bromoform	<5.0	μ g/L	0	WA

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WELL BGX 5D collected on 03/05/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Bromoform	<5.0	µg/L	0	WA
		Bromoform	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<10	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	µg/L	0	WA
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<0.35	µg/L	0	WA
		Cadmium	0.83	µg/L	0	WA
		Cadmium	<2.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	2,130	µg/L	0	WA
		Calcium	2,280	µg/L	0	WA
		Calcium	2,160	µg/L	0	GE
		Calcium	2,120	µg/L	0	GE
		Carbon tetrachloride	<5.0	µg/L	0	WA
		Carbon tetrachloride	<5.0	µg/L	0	WA
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chloride	3,660	µg/L	0	WA
		Chloride	3,640	µg/L	0	WA
		Chloride	2,730	µg/L	0	GE
		Chloride	2,650	µg/L	0	GE
		Chlorobenzene	<5.0	µg/L	0	WA
		Chlorobenzene	<5.0	µg/L	0	WA
		Chlorobenzene	<1.0	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<10	µg/L	0	WA
		Chloroethane	<10	µg/L	0	WA
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethane (Vinyl chloride)	<10	µg/L	0	WA
		Chloroethane (Vinyl chloride)	<10	µg/L	0	WA
		Chloroethane (Vinyl chloride)	<1.0	µg/L	0	GE
		Chloroethane (Vinyl chloride)	<1.0	µg/L	0	GE
		Chloroethane (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<10	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	µg/L	0	WA
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<5.0	µg/L	0	WA
		Chloroform	<5.0	µg/L	0	WA
		Chloroform	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<10	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	µg/L	0	WA
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE

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WELL BGX 5D collected on 03/05/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chromium	<1.1	µg/L	0	WA
		Chromium	<1.1	µg/L	0	WA
		Chromium	<4.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Dibromochloromethane	<5.0	µg/L	0	WA
		Dibromochloromethane	<5.0	µg/L	0	WA
		Dibromochloromethane	<1.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<5.0	µg/L	0	WA
		1,1-Dichloroethane	<5.0	µg/L	0	WA
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<5.0	µg/L	0	WA
		1,2-Dichloroethane	<5.0	µg/L	0	WA
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<5.0	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	µg/L	0	WA
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<5.0	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	µg/L	0	WA
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<5.0	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.1	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<5.0	µg/L	0	WA
		1,2-Dichloropropane	<5.0	µg/L	0	WA
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0	µg/L	0	WA
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0	µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0	µg/L	0	WA
		Endrin	<0.11	µg/L	0	WA
		Endrin	<0.11	µg/L	0	WA
		Endrin	<0.0060	µg/L	0	GE

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WELL BGX 5D collected on 03/05/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<5.0	µg/L	0	WA
		Ethylbenzene	<5.0	µg/L	0	WA
		Ethylbenzene	<1.0	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	WA
		Fluoride	<100	µg/L	0	WA
		Fluoride	103	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	13	µg/L	0	WA
		Iron	16	µg/L	0	WA
		Iron	12	µg/L	0	GE
		Iron	12	µg/L	0	GE
		Lead	<2.0	µg/L	0	WA
		Lead	<2.0	µg/L	0	WA
		Lead	<3.0	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
		Lindane	<0.056	µg/L	0	WA
		Lindane	<0.055	µg/L	0	WA
		Lindane	<0.0050	µg/L	0	GE
		Lindane	<0.0050	µg/L	0	GE
		Magnesium	834	µg/L	0	WA
		Magnesium	859	µg/L	0	WA
		Magnesium	922	µg/L	0	GE
		Magnesium	910	µg/L	0	GE
		Manganese	456	µg/L	2	WA
		Manganese	453	µg/L	2	WA
		Manganese	463	µg/L	2	GE
		Manganese	471	µg/L	2	GE
		Mercury	<0.20	µg/L	0	WA
		Mercury	<0.20	µg/L	0	WA
		Mercury	<0.20	µg/L	0	WA
		Mercury	<0.20	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.56	µg/L	0	WA
		Methoxychlor	<0.55	µg/L	0	WA
		Methoxychlor	<0.50	µg/L	0	GE
		Methoxychlor	<0.50	µg/L	0	GE
		Nitrate as nitrogen	925	µg/L	0	WA
		Nitrate as nitrogen	942	µg/L	0	WA
		Nitrate as nitrogen	810	µg/L	0	GE
		Nitrate as nitrogen	800	µg/L	0	GE
		Phenols	<5.0	µg/L	0	WA
		Phenols	<5.0	µg/L	0	WA
		Phenols	<5.0	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	1,160	µg/L	0	WA
		Potassium	1,160	µg/L	0	WA
		Potassium	1,250	µg/L	0	GE
		Potassium	1,280	µg/L	0	GE
		Selenium	<2.0	µg/L	0	WA
		Selenium	<2.0	µg/L	0	WA
		Selenium	<2.0	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	6,980	µg/L	0	WA

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WELL BGX 5D collected on 03/05/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Silica	7,160	µg/L	0	WA
		Silica	7,410	µg/L	0	GE
		Silica	7,300	µg/L	0	GE
		Silver	1.7	µg/L	0	WA
		Silver	<0.70	µg/L	0	WA
		Silver	<2.0	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	5,080	µg/L	0	WA
		Sodium	5,220	µg/L	0	WA
		Sodium	5,810	µg/L	0	GE
		Sodium	5,510	µg/L	0	GE
		Sulfate	11,100	µg/L	0	WA
		Sulfate	11,000	µg/L	0	WA
		Sulfate	9,910	µg/L	0	GE
		Sulfate	10,200	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<5.0	µg/L	0	WA
		Tetrachloroethylene	<5.0	µg/L	0	WA
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<5.0	µg/L	0	WA
		Toluene	<5.0	µg/L	0	WA
		Toluene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	43,000	µg/L	0	WA
		Total dissolved solids	40,000	µg/L	0	WA
		Total dissolved solids	37,000	µg/L	0	GE
		Total dissolved solids	34,000	µg/L	0	GE
		Total organic carbon	714	µg/L	0	WA
		Total organic carbon	727	µg/L	0	WA
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	65	µg/L	2	WA
		Total organic halogens	<5.0	µg/L	0	WA
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<20	µg/L	0	WA
		Total phosphates (as P)	<20	µg/L	0	WA

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 5D collected on 03/05/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Total phosphates (as P)	<20	µg/L	0	WA
		Total phosphates (as P)	<50	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
		Toxaphene	<1.1	µg/L	0	WA
		Toxaphene	<1.1	µg/L	0	WA
		Toxaphene	<0.24	µg/L	0	GE
		Toxaphene	<0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.56	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.56	µg/L	0	WA
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<5.0	µg/L	0	WA
		1,1,1-Trichloroethane	<5.0	µg/L	0	WA
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<5.0	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0	µg/L	0	WA
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<5.0	µg/L	0	WA
		Trichloroethylene	<5.0	µg/L	0	WA
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	7.4	µg/L	1	WA
		Trichlorofluoromethane	7.8	µg/L	1	WA
		Trichlorofluoromethane	12	µg/L	2	GE
		Trichlorofluoromethane	7.1	µg/L	1	GE
		Trichlorofluoromethane	6.5	µg/L	1	GE
		Gross alpha	4.3E+00 ± 1.1E+00	pCi/L	0	TM
		Gross alpha	4.9E+00 ± 1.1E+00	pCi/L	0	TM
		Gross alpha	2.4E+00 ± 4.7E-01	pCi/L	0	GE
		Gross alpha	2.4E+00 ± 5.2E-01	pCi/L	0	GE
		Nonvolatile beta	4.8E+00 ± 1.7E+00	pCi/L	0	TM
		Nonvolatile beta	5.9E+00 ± 1.8E+00	pCi/L	0	TM
		Nonvolatile beta	2.1E+00 ± 5.5E-01	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Radium-226	2.0E+00 ± 7.9E-01	pCi/L	0	TM
		Radium-226	1.5E+00 ± 5.6E-01	pCi/L	0	TM
		Radium-228	<1.3E+01	pCi/L	0	TM
		Radium-228	<6.8E+00	pCi/L	0	TM
		Total alpha-emitting radium	1.6E+00 ± 5.0E-01	pCi/L	0	GE
		Total alpha-emitting radium	2.1E+00 ± 5.0E-01	pCi/L	0	GE
		Tritium	9.0E+00 ± 6.3E-01	pCi/mL	0	TM
		Tritium	9.5E+00 ± 2.3E-01	pCi/mL	0	TM
		Tritium	8.9E+00 ± 3.0E-01	pCi/mL	0	GE
		Tritium	9.2E+00 ± 3.0E-01	pCi/mL	0	GE

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WELL BGX 6D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N78740.1 E57524.9	33.293782 °N 81.668277 °W	211.0-191.0 ft msl	277.0 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/30/92	Time: 9:55
Depth to water: 69.10 ft (21.06 m) below TOC	pH: 6.4
Water elevation: 207.90 ft (63.37 m) msl	Alkalinity: 21 mg/L
Sp. conductance: 74 µS/cm	Water temperature: 18.2°C
Water evacuated before sampling: 46 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.6	pH	0	GE
•		pH	6.6	pH	0	GE
•		pH	6.6	pH	0	GE
•		pH	6.7	pH	0	GE
		Specific conductance	55	µS/cm	0	GE
		Specific conductance	55	µS/cm	0	GE
		Specific conductance	55	µS/cm	0	GE
		Specific conductance	60	µS/cm	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	23	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	8,560	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chloride	2,900	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	130	µg/L	0	GE
		Fluoride	116	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 8D collected on 01/30/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Iron	10	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	433	µg/L	0	GE
		Manganese	82	µg/L	2	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		Nitrate as nitrogen	780	µg/L	0	GE
		Phenols	10	µg/L	0	GE
		Potassium	886	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	10,100	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	3,600	µg/L	0	GE
		Sulfate	1,690	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	50,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	6.3	µg/L	0	GE
		Total organic halogens	8.8	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total phosphates (as P)	450	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	2.4	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
		Tritium	4.2E+00 ± 2.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 7D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N78349.3 E58312.8	33.294203 °N 81.665443 °W	214.1-194.1 ft msl	279.2 ft msl		Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/30/92
 Depth to water: 71.68 ft (21.85 m) below TOC
 Water elevation: 207.52 ft (63.25 m) msl
 Sp. conductance: 20 μ S/cm
 Water evacuated before sampling: 80 gal

Time: 11:00
 pH: 4.8
 Alkalinity: 0 mg/L
 Water temperature: 17.7°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.2	pH	0	GE
•		pH	5.3	pH	0	GE
•		pH	5.3	pH	0	GE
•		pH	5.3	pH	0	GE
		Specific conductance	18	μ S/cm	0	GE
		Specific conductance	18	μ S/cm	0	GE
		Specific conductance	18	μ S/cm	0	GE
		Specific conductance	18	μ S/cm	0	GE
		Arsenic	<2.0	μ g/L	0	GE
		Barium	6.7	μ g/L	0	GE
		Benzene	<1.0	μ g/L	0	GE
		Bromodichloromethane	<1.0	μ g/L	0	GE
		Bromoform	<1.0	μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	μ g/L	0	GE
		Cadmium	<2.0	μ g/L	0	GE
		Calcium	556	μ g/L	0	GE
		Carbon tetrachloride	<1.0	μ g/L	0	GE
		Chloride	1,710	μ g/L	0	GE
		Chlorobenzene	<1.0	μ g/L	0	GE
		Chloroethane	<1.0	μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	μ g/L	0	GE
		Chloroform	<1.0	μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	μ g/L	0	GE
		Chromium	<4.0	μ g/L	0	GE
		Dibromochloromethane	<1.0	μ g/L	0	GE
		1,1-Dichloroethane	<1.0	μ g/L	0	GE
		1,2-Dichloroethane	<1.0	μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	μ g/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	μ g/L	0	GE
		1,2-Dichloropropane	<1.0	μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	μ g/L	0	GE
		trans-1,3-Dichloropropene	<1.0	μ g/L	0	GE
•		Endrin	<0.0060	μ g/L	0	GE
		Ethylbenzene	<1.0	μ g/L	0	GE
		Fluoride	<100	μ g/L	0	GE
		Iron	<4.0	μ g/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 7D collected on 01/30/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Lead	<3.0	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
		Magnesium	414	µg/L	0	GE
		Manganese	16	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
		Nitrate as nitrogen	560	µg/L	0	GE
		Phenols	7.4	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	7,150	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,390	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	18,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	5.6	µg/L	0	GE
		Total organic halogens	6.8	µg/L	0	GE
		Total organic halogens	8.3	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.8E+00 ± 4.0E-01	pCi/L	0	GE
		Tritium	1.5E+01 ± 3.0E-01	pCi/mL	1	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 8D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N77589.6 E58942.5	33.293550 °N 81.662309 °W	203.1-183.1 ft msl	278.2 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/30/92
 Depth to water: 71.62 ft (21.83 m) below TOC
 Water elevation: 206.58 ft (62.97 m) msl
 Sp. conductance: 34 μ S/cm
 Water evacuated before sampling: 63 gal

Time: 11:35
 pH: 5.5
 Alkalinity: 3 mg/L
 Water temperature: 18.0°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.9	pH	0	GE
•		pH	5.9	pH	0	GE
•		pH	6.0	pH	0	GE
•		pH	6.1	pH	0	GE
		Specific conductance	32	μ S/cm	0	GE
		Specific conductance	32	μ S/cm	0	GE
		Specific conductance	32	μ S/cm	0	GE
		Specific conductance	35	μ S/cm	0	GE
		Arsenic	<2.0	μ g/L	0	GE
		Barium	15	μ g/L	0	GE
		Benzene	<1.0	μ g/L	0	GE
		Bromodichloromethane	<1.0	μ g/L	0	GE
		Bromoform	<1.0	μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	μ g/L	0	GE
		Cadmium	<2.0	μ g/L	0	GE
		Calcium	2,580	μ g/L	0	GE
		Carbon tetrachloride	<1.0	μ g/L	0	GE
		Chloride	2,390	μ g/L	0	GE
		Chlorobenzene	<1.0	μ g/L	0	GE
		Chloroethane	<1.0	μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	μ g/L	0	GE
		Chloroform	<1.0	μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	μ g/L	0	GE
		Chromium	<4.0	μ g/L	0	GE
		Dibromochloromethane	<1.0	μ g/L	0	GE
		1,1-Dichloroethane	<1.0	μ g/L	0	GE
		1,2-Dichloroethane	<1.0	μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	μ g/L	0	GE
		Dichloromethane (Methylene chloride)	1.0	μ g/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	μ g/L	0	GE
		1,2-Dichloropropane	<1.0	μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	μ g/L	0	GE
		trans-1,3-Dichloropropene	<1.0	μ g/L	0	GE
•		Endrin	<0.0060	μ g/L	0	GE
		Ethylbenzene	<1.0	μ g/L	0	GE
		Fluoride	<100	μ g/L	0	GE
		Iron	38	μ g/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX {D collected on 01/30/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	591	µg/L	0	GE
		Manganese	37	µg/L	1	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		Nitrate as nitrogen	1,500	µg/L	0	GE
		Nitrate as nitrogen	1,450	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	642	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	8,320	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	2,440	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
•		Total dissolved solids	31,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
•		Total organic halogens	5.3	µg/L	0	GE
•		Total organic halogens	6.8	µg/L	0	GE
•		Total organic halogens	7.3	µg/L	0	GE
•		Total organic halogens	10	µg/L	0	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	1.8	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.4E+00 ± 3.0E-01	pCi/L	0	GE
■		Tritium	1.1E+03 ± 2.7E+00	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 9D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N76936.0 E59522.1	33.293050 °N 81.659513 °W	232.4-212.4 ft msl	279.4 ft msl	4" PVC	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/30/92
 Depth to water: 52.07 ft (15.87 m) below TOC
 Water elevation: 227.33 ft (69.29 m) msl
 Sp. conductance: 23 µS/cm
 Water evacuated before sampling: 40 gal

Time: 12:35
 pH: 5.0
 Alkalinity: 0 mg/L
 Water temperature: 18.0°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.4	pH	0	GE
•		pH	5.4	pH	0	GE
•		pH	5.4	pH	0	GE
•		pH	5.4	pH	0	GE
		Specific conductance	20	µS/cm	0	GE
		Specific conductance	20	µS/cm	0	GE
		Specific conductance	20	µS/cm	0	GE
		Specific conductance	20	µS/cm	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	4.7	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	750	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Chloride	1,920	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Iron	< 4.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 9D collected on 01/30/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Lead	<3.0	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
		Magnesium	385	µg/L	0	GE
		Manganese	4.9	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
		Nitrate as nitrogen	1,020	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	6,040	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	2,160	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	15,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Gross alpha	2.7E+00 ± 5.3E-01	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	2.4E+00 ± 5.0E-01	pCi/L	0	GE
		Tritium	1.1E+01 ± 3.0E-01	pCi/mL	1	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 10D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Formation
N76183.3 E59765.5	33.291783 °N 81.657410 °W	236.2-216.2 ft msl	276.9 ft msl	4" PVC	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/29/92	Time: 9:55
Depth to water: 50.16 ft (15.29 m) below TOC	pH: 5.2
Water elevation: 226.74 ft (69.11 m) msl	Alkalinity: 4 mg/L
Sp. conductance: 30 µS/cm	Water temperature: 17.1°C
Water evacuated before sampling: 5 gal	
The well went dry during purging.	

LABORATORY ANALYSES

H	D	Analyte	Result	Unit	Flag	Lab
•		pH	5.7	pH	0	GE
•		pH	5.7	pH	0	GE
•		pH	5.8	pH	0	GE
•		pH	5.8	pH	0	GE
		Specific conductance	25	µS/cm	0	GE
		Specific conductance	25	µS/cm	0	GE
		Specific conductance	25	µS/cm	0	GE
		Specific conductance	25	µS/cm	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	9.0	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	1,020	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Chloride	1,850	µg/L	0	GE
		Chloride	1,860	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 10D collected on 01/29/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Fluoride	<100	µg/L	0	GE
		Iron	56	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
		Magnesium	468	µg/L	0	GE
		Manganese	73	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
		Nitrate as nitrogen	1,600	µg/L	0	GE
		Nitrate as nitrogen	1,520	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	561	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	7,330	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	3,340	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	27,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	36	µg/L	1	GE
		Total organic halogens	36	µg/L	1	GE
		Total organic halogens	37	µg/L	1	GE
		Total organic halogens	39	µg/L	1	GE
		Total phosphates (as P)	1,900	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Gross alpha	2.4E+00 ± 4.8E-01	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.0E+00 ± 4.0E-01	pCi/L	0	GE
		Tritium	1.0E+01 ± 3.0E-01	pCi/mL	1	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 12C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N74427.9 E59675.3	33.287753 °N 81.654237 °W	184.1-174.1 ft msl	275.1 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/28/92
 Depth to water: 40.16 ft (12.24 m) below TOC
 Water elevation: 234.94 ft (71.61 m) msl
 Sp. conductance: 34 μ S/cm
 Water evacuated before sampling: 161 gal

Time: 13:05
 pH: 4.9
 Alkalinity: 6 mg/L
 Water temperature: 18.2°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.9	pH	0	GE
•		pH	5.8	pH	0	GE
•		pH	5.8	pH	0	GE
•		pH	5.9	pH	0	GE
		Specific conductance	20	μ S/cm	0	GE
		Specific conductance	20	μ S/cm	0	GE
		Specific conductance	20	μ S/cm	0	GE
		Specific conductance	20	μ S/cm	0	GE
		Arsenic	<2.0	μ g/L	0	GE
		Barium	4.1	μ g/L	0	GE
		Benzene	<1.0	μ g/L	0	GE
		Bromodichloromethane	<1.0	μ g/L	0	GE
		Bromoform	<1.0	μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	μ g/L	0	GE
		Cadmium	<2.0	μ g/L	0	GE
		Calcium	698	μ g/L	0	GE
		Carbon tetrachloride	<1.0	μ g/L	0	GE
		Chloride	2,500	μ g/L	0	GE
		Chlorobenzene	<1.0	μ g/L	0	GE
		Chloroethane	<1.0	μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	μ g/L	0	GE
		Chloroform	<1.0	μ g/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	μ g/L	0	GE
		Chromium	<4.0	μ g/L	0	GE
		Dibromochloromethane	<1.0	μ g/L	0	GE
		1,1-Dichloroethane	<1.0	μ g/L	0	GE
		1,2-Dichloroethane	<1.0	μ g/L	0	GE
		1,1-Dichloroethylene	<1.0	μ g/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	μ g/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	μ g/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	μ g/L	0	GE
		1,2-Dichloropropane	<1.0	μ g/L	0	GE
		cis-1,3-Dichloropropene	<1.0	μ g/L	0	GE
		trans-1,3-Dichloropropene	<1.0	μ g/L	0	GE
•		Endrin	<0.0060	μ g/L	0	GE
		Ethylbenzene	<1.0	μ g/L	0	GE
		Fluoride	<100	μ g/L	0	GE
		Iron	32	μ g/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 12C collected on 01/28/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	293	µg/L	0	GE
		Manganese	23	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		Nitrate as nitrogen	190	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	< 500	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	12,300	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	4,290	µg/L	0	GE
		Sulfate	2,430	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	26,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total organic halogens	7.1	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total phosphates (as P)	50	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
		Tritium	< 7.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL BGX 12D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N74410.9 E59674.3	33.287714 °N 81.654207 °W	243.7-223.7 ft msl	275.2 ft msl	4" PVC	Water Table (IIB ₂)

FIELD MEASUREMENTS

Sample date: 01/28/92	Time: 12:30
Depth to water: 36.28 ft (11.06 m) below TOC	pH: 4.6
Water elevation: 238.92 ft (72.82 m) msl	Alkalinity: 1 mg/L
Sp. conductance: 20 µS/cm	Water temperature: 17.8°C
Water evacuated before sampling: 8 gal	
The well went dry during purging.	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.5	pH	0	GE
•		pH	5.5	pH	0	GE
•		pH	5.6	pH	0	GE
•		pH	5.6	pH	0	GE
		Specific conductance	15	µS/cm	0	GE
		Specific conductance	15	µS/cm	0	GE
		Specific conductance	15	µS/cm	0	GE
		Specific conductance	15	µS/cm	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	15	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	992	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Chloride	1,880	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Iron	100	µg/L	0	GE

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WELL BGX 12D collected on 01/28/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Lead	<3.0	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
		Magnesium	488	µg/L	0	GE
		Manganese	9.6	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	597	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	5,390	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,170	µg/L	0	GE
		Sulfate	<1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	17,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	5.0	µg/L	0	GE
		Total organic halogens	5.4	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	50	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.0E+00 ± 5.0E-01	pCi/L	0	GE
■		Tritium	2.9E+01 ± 5.0E-01	pCi/mL	2	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

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>Formation</u>
N78731.7 E56973.3	33.292863 °N 81.669714 °W	219.7-199.7 ft msl	264.5 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 01/27/92
Depth to water: 53.40 ft (16.28 m) below TOC
Water elevation: 211.10 ft (64.34 m) msl
Inaccessibility or pump failure prevented sample collection.

Time: 13:45

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>Formation</u>
N78731.7 E56973.3	33.292863 °N 81.669714 °W	219.7-199.7 ft msl	264.5 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 02/21/92
Depth to water: 53.79 ft (16.40 m) below TOC
Water elevation: 210.71 ft (64.23 m) msl
Sp. conductance: 112 µS/cm
Water evacuated before sampling: 6 gal
The well went dry during purging.

Time: 9:35
pH: 6.4
Alkalinity: 21 mg/L
Water temperature: 15.7°C

LABORATORY ANALYSES

<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
● pH	6.3	pH	0	GE
● pH	6.3	pH	0	GE
● pH	6.3	pH	0	GE
● pH	6.4	pH	0	GE
Specific conductance	80	µS/cm	0	GE
Specific conductance	82	µS/cm	0	GE
Specific conductance	82	µS/cm	0	GE
Specific conductance	85	µS/cm	0	GE
Arsenic	<2.0	µg/L	0	GE
Barium	10	µg/L	0	GE
Benzene	<1.0	µg/L	0	GE
Bromodichloromethane	<1.0	µg/L	0	GE
Bromoform	<1.0	µg/L	0	GE
Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
Cadmium	<2.0	µg/L	0	GE
Calcium	2,010	µg/L	0	GE
Carbon tetrachloride	<1.0	µg/L	0	GE
Chloride	2,450	µg/L	0	GE
Chlorobenzene	<1.0	µg/L	0	GE
Chloroethane	<1.0	µg/L	0	GE
Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE

● = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HMD 1D collected on 02/21/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	5.3	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Endrin	<0.0060	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Iron	11	µg/L	0	GE
		Lead	<3.0	µg/L	0	GE
•		Lindane	<0.0050	µg/L	0	GE
		Magnesium	308	µg/L	0	GE
		Manganese	97	µg/L	2	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
		Nitrate as nitrogen	230	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	1,230	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	5,990	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	18,700	µg/L	0	GE
		Sulfate	15,400	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	78,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	2.1	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.0E+00 ± 3.0E-01	pCi/L	0	GE
		Tritium	1.1E+01 ± 3.0E-01	pCi/mL	1	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HMD 2D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N79665.8 E57269.7	33.295413 °N 81.670748 °W	210.8-190.8 ft msl	261.1 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 02/21/92
Depth to water: 59.44 ft (18.12 m) below TOC
Water elevation: 201.66 ft (61.47 m) msl
Inaccessibility or pump failure prevented sample collection.

Time: 10:15

WELL HMD 2D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N79665.8 E57269.7	33.295413 °N 81.670748 °W	210.8-190.8 ft msl	261.1 ft msl	4" PVC	Barnwell (IIB ₁)

FIELD MEASUREMENTS

Sample date: 02/26/92
Depth to water: 59.44 ft (18.12 m) below TOC
Water elevation: 201.66 ft (61.47 m) msl
Sp. conductance: 83 μ S/cm
Water evacuated before sampling: 40 gal

Time: 10:10
pH: 5.4
Alkalinity: 11 mg/L
Water temperature: 19.3°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.0	pH	0	WA
•		pH	5.9	pH	0	WA
•		pH	6.0	pH	0	WA
•		pH	5.7	pH	0	GE
•		pH	5.6	pH	0	GE
•		pH	5.7	pH	0	GE
•		pH	5.8	pH	0	GE
•		pH	5.8	pH	0	GE
•		pH	5.5	pH	0	GE
•		pH	5.6	pH	0	GE
•		pH	5.6	pH	0	GE
		Specific conductance	64	μ S/cm	0	WA
		Specific conductance	64	μ S/cm	0	WA
		Specific conductance	66	μ S/cm	0	WA
		Specific conductance	62	μ S/cm	0	GE
		Specific conductance	58	μ S/cm	0	GE
		Specific conductance	62	μ S/cm	0	GE
		Specific conductance	62	μ S/cm	0	GE
		Specific conductance	65	μ S/cm	0	GE
		Specific conductance	58	μ S/cm	0	GE
		Specific conductance	60	μ S/cm	0	GE
		Specific conductance	60	μ S/cm	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HMD 2D collected on 02/26/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Arsenic	<2.0	µg/L	0	WA
		Arsenic	<2.0	µg/L	0	WA
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	<6.6	µg/L	0	WA
		Barium	<6.6	µg/L	0	WA
		Barium	<3.0	µg/L	0	GE
		Barium	<3.0	µg/L	0	GE
		Benzene	<5.0	µg/L	0	WA
		Benzene	<5.0	µg/L	0	WA
		Benzene	<1.0	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<5.0	µg/L	0	WA
		Bromodichloromethane	<5.0	µg/L	0	WA
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<5.0	µg/L	0	WA
		Bromoform	<5.0	µg/L	0	WA
		Bromoform	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<10	µg/L	0	WA
		Bromomethane (Methyl bromide)	<10	µg/L	0	WA
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<0.35	µg/L	0	WA
		Cadmium	<0.35	µg/L	0	WA
		Cadmium	<2.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	282	µg/L	0	WA
		Calcium	295	µg/L	0	WA
		Calcium	285	µg/L	0	GE
		Calcium	278	µg/L	0	GE
		Carbon tetrachloride	<5.0	µg/L	0	WA
		Carbon tetrachloride	<5.0	µg/L	0	WA
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chloride	1,750	µg/L	0	WA
		Chloride	1,680	µg/L	0	WA
		Chloride	1,660	µg/L	0	WA
		Chloride	2,660	µg/L	0	GE
		Chloride	2,580	µg/L	0	GE
		Chlorobenzene	<5.0	µg/L	0	WA
		Chlorobenzene	<5.0	µg/L	0	WA
		Chlorobenzene	<1.0	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<10	µg/L	0	WA
		Chloroethane	<10	µg/L	0	WA
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE

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WELL HMD 2D collected on 02/26/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<10	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10	µg/L	0	WA
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<10	µg/L	0	WA
		2-Chloroethyl vinyl ether	<10	µg/L	0	WA
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<5.0	µg/L	0	WA
		Chloroform	<5.0	µg/L	0	WA
		Chloroform	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<10	µg/L	0	WA
		Chloromethane (Methyl chloride)	<10	µg/L	0	WA
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
		Chromium	<1.1	µg/L	0	WA
		Chromium	<1.1	µg/L	0	WA
		Chromium	<4.0	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
		Dibromochloromethane	<5.0	µg/L	0	WA
		Dibromochloromethane	<5.0	µg/L	0	WA
		Dibromochloromethane	<1.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<5.0	µg/L	0	WA
		1,1-Dichloroethane	<5.0	µg/L	0	WA
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<5.0	µg/L	0	WA
		1,2-Dichloroethane	<5.0	µg/L	0	WA
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<5.0	µg/L	0	WA
		1,1-Dichloroethylene	<5.0	µg/L	0	WA
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<5.0	µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0	µg/L	0	WA
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<5.0	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0	µg/L	0	WA
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.1	µg/L	0	WA

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WELL HMD 2D collected on 02/26/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		2,4-Dichlorophenoxyacetic acid	< 1.1	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 5.0	µg/L	0	WA
		1,2-Dichloropropane	< 5.0	µg/L	0	WA
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 5.0	µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0	µg/L	0	WA
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 5.0	µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0	µg/L	0	WA
		Endrin	< 0.11	µg/L	0	WA
		Endrin	< 0.11	µg/L	0	WA
•		Endrin	< 0.0060	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 5.0	µg/L	0	WA
		Ethylbenzene	< 5.0	µg/L	0	WA
		Ethylbenzene	< 1.0	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	< 100	µg/L	0	WA
		Fluoride	< 100	µg/L	0	WA
		Fluoride	< 100	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Iron	19	µg/L	0	WA
		Iron	18	µg/L	0	WA
		Iron	17	µg/L	0	GE
		Iron	20	µg/L	0	GE
		Lead	< 2.0	µg/L	0	WA
■		Lead	42	µg/L	2	WA
		Lead	< 3.0	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
		Lindane	< 0.056	µg/L	0	WA
		Lindane	< 0.055	µg/L	0	WA
•		Lindane	< 0.0050	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	77	µg/L	0	WA
		Magnesium	80	µg/L	0	WA
		Magnesium	79	µg/L	0	GE
		Magnesium	80	µg/L	0	GE
		Manganese	11	µg/L	0	WA
		Manganese	12	µg/L	0	WA
		Manganese	12	µg/L	0	GE
		Manganese	11	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	WA
		Mercury	< 0.20	µg/L	0	WA
		Mercury	< 0.20	µg/L	0	GE

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WELL HMD 2D collected on 02/26/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Mercury	<0.20	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
		Methoxychlor	<0.56	µg/L	0	WA
		Methoxychlor	<0.55	µg/L	0	WA
•		Methoxychlor	<0.50	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
		Nitrate as nitrogen	493	µg/L	0	WA
		Nitrate as nitrogen	448	µg/L	0	WA
		Nitrate as nitrogen	260	µg/L	0	GE
		Nitrate as nitrogen	240	µg/L	0	GE
		Phenols	<5.0	µg/L	0	WA
		Phenols	<5.0	µg/L	0	WA
		Phenols	<5.0	µg/L	0	WA
		Phenols	<5.0	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	<84	µg/L	0	WA
		Potassium	<84	µg/L	0	WA
		Potassium	<500	µg/L	0	GE
		Potassium	<500	µg/L	0	GE
		Selenium	<2.0	µg/L	0	WA
		Selenium	<2.0	µg/L	0	WA
		Selenium	<2.0	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	4,820	µg/L	0	GE
		Silica	4,730	µg/L	0	GE
		Silicon	2,270	µg/L	0	WA
		Silicon	2,320	µg/L	0	WA
		Silver	<0.70	µg/L	0	WA
		Silver	<0.70	µg/L	0	WA
		Silver	<2.0	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	13,800	µg/L	0	WA
		Sodium	14,600	µg/L	0	WA
		Sodium	15,000	µg/L	0	GE
		Sodium	14,600	µg/L	0	GE
		Sulfate	13,900	µg/L	0	WA
		Sulfate	12,900	µg/L	0	WA
		Sulfate	12,600	µg/L	0	GE
		Sulfate	10,700	µg/L	0	GE
		Sulfate	10,600	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0	µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<5.0	µg/L	0	WA
		Tetrachloroethylene	<5.0	µg/L	0	WA
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Toluene	<5.0	µg/L	0	WA
		Toluene	<5.0	µg/L	0	WA
		Toluene	<1.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE

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WELL HMD 2D collected on 02/26/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	45,000	µg/L	0	WA
		Total dissolved solids	48,000	µg/L	0	WA
		Total dissolved solids	64,000	µg/L	0	WA
		Total dissolved solids	42,000	µg/L	0	GE
		Total dissolved solids	42,000	µg/L	0	GE
		Total dissolved solids	42,000	µg/L	0	GE
		Total organic carbon	1,630	µg/L	0	WA
		Total organic carbon	528	µg/L	0	WA
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	72	µg/L	2	WA
		Total organic halogens	113	µg/L	2	WA
		Total organic halogens	60	µg/L	2	WA
		Total organic halogens	< 5.0	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total phosphates (as P)	119	µg/L	0	WA
		Total phosphates (as P)	110	µg/L	0	WA
		Total phosphates (as P)	94	µg/L	0	WA
		Total phosphates (as P)	70	µg/L	0	GE
		Total phosphates (as P)	70	µg/L	0	GE
		Toxaphene	< 1.1	µg/L	0	WA
		Toxaphene	< 1.1	µg/L	0	WA
•		Toxaphene	< 0.24	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.55	µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55	µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,1,1-Trichloroethane	< 5.0	µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0	µg/L	0	WA
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 5.0	µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0	µg/L	0	WA
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 5.0	µg/L	0	WA
		Trichloroethylene	< 5.0	µg/L	0	WA
		Trichloroethylene	< 1.0	µg/L	0	GE

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WELL HMD 2D collected on 02/26/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 5.0	µg/L	0	WA
		Trichlorofluoromethane	< 5.0	µg/L	0	WA
		Trichlorofluoromethane	1.3	µg/L	0	GE
		Trichlorofluoromethane	1.5	µg/L	0	GE
		Trichlorofluoromethane	1.6	µg/L	0	GE
		Gross alpha	3.0E-01 ± 1.2E+00	pCi/L	0	BA
		Gross alpha	< 9.1E-01	pCi/L	0	BA
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	2.6E+00 ± 1.7E+00	pCi/L	0	BA
		Nonvolatile beta	3.0E+00 ± 1.6E+00	pCi/L	0	BA
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		Radium-226	< 6.0E-01	pCi/L	0	BA
		Radium-226	2.0E-01 ± 7.0E-01	pCi/L	0	BA
		Radium-228	< 1.8E+00	pCi/L	0	BA
		Radium-228	< 1.8E+00	pCi/L	0	BA
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
		Tritium	4.0E+00 ± 4.0E-01	pCi/mL	0	BA
		Tritium	3.3E+00 ± 4.0E-01	pCi/mL	0	BA
		Tritium	2.8E+00 ± 2.0E-01	pCi/mL	0	GE
		Tritium	3.5E+00 ± 2.0E-01	pCi/mL	0	GE

WELL HMD 3D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N79578.7	33.295996 °N	207.7-187.7 ft msl	259.5 ft msl	4" PVC	Barnwell (IIB ₁)
E57745.2	81.669327 °W				

FIELD MEASUREMENTS

Sample date: 01/27/92
 Depth to water: 58.02 ft (17.68 m) below TOC
 Water elevation: 201.48 ft (61.41 m) msl
 Sp. conductance: 54 µS/cm
 Water evacuated before sampling: 36 gal

Time: 13:30
 pH: 4.5
 Alkalinity: 2 mg/L
 Water temperature: 18.0°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Specific conductance	.	SCM	0	GE
•		pH	5.4	pH	0	GE
•		pH	5.2	pH	0	GE
•		pH	5.3	pH	0	GE
•		pH	5.3	pH	0	GE
		Specific conductance	40	µS/cm	0	GE
		Specific conductance	40	µS/cm	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HMD 3D collected on 01/27/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Benzene	< 1.0	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	1,400	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
		Chloride	2,870	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	< 1.0	µg/L	0	GE
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	< 1.0	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Iron	13	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	480	µg/L	0	GE
		Manganese	34	µg/L	1	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		Nitrate as nitrogen	380	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	< 500	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	6,760	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	5,660	µg/L	0	GE
		Sulfate	9,250	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	30,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	7.9	µg/L	0	GE
		Total organic halogens	9.8	µg/L	0	GE
		Total organic halogens	9.9	µg/L	0	GE
		Total organic halogens	11	µg/L	0	GE
		Total phosphates (as P)	50	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HMD 3D collected on 01/27/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Total phosphates (as P)	50	µg/L	0	GE
•		Toxaphene	<0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	9.3	µg/L	1	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	2.8E+00 ± 7.0E-01	pCi/L	1	GE
		Tritium	5.0E+00 ± 2.0E-01	pCi/mL	0	GE

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>Formation</u>
N79160.4	33.295794 °N	208.9-188.9 ft msl	250.9 ft msl	4" PVC	Barnwell (IIB ₁)
E58188.5	81.667346 °W				

FIELD MEASUREMENTS

Sample date: 01/28/92
 Depth to water: 49.11 ft (14.97 m) below TOC
 Water elevation: 201.79 ft (61.51 m) msl
 Sp. conductance: 30 µS/cm
 Water evacuated before sampling: 7 gal
 The well went dry during purging.

Time: 11:25
 pH: 4.8
 Alkalinity: 7 mg/L
 Water temperature: 17.3°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Specific conductance	22	µS/cm	0	GE
•		pH	6.0	pH	0	GE
•		pH	6.0	pH	0	GE
•		pH	6.0	pH	0	GE
•		pH	6.1	pH	0	GE
		Specific conductance	22	µS/cm	0	GE
		Specific conductance	22	µS/cm	0	GE
		Specific conductance	22	µS/cm	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	11	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	1,670	µg/L	0	GE
		Carbon tetrachloride	<1.0	µg/L	0	GE
		Chloride	1,960	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HMD 4D collected on 01/28/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.2	µg/L	0	GE
•		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Endrin	< 0.0060	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
		Iron	55	µg/L	0	GE
		Lead	5.2	µg/L	0	GE
•		Lindane	< 0.0050	µg/L	0	GE
		Magnesium	321	µg/L	0	GE
		Manganese	47	µg/L	1	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
		Nitrate as nitrogen	600	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	939	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	7,420	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	2,710	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	24,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	13	µg/L	0	GE
		Total organic halogens	16	µg/L	0	GE
		Total organic halogens	16	µg/L	0	GE
		Total organic halogens	16	µg/L	0	GE
		Total phosphates (as P)	190	µg/L	0	GE
•		Toxaphene	< 0.24	µg/L	0	GE
•		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	1.7E+00 ± 5.0E-01	pCi/L	0	GE
		Tritium	9.6E+00 ± 3.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 85A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Formation</u>
N73791.9 E58943.4	33.285152 °N 81.654930 °W	71.1-61.1 ft msl	294.4 ft msl	4" PVC	Congaree (IIA)

FIELD MEASUREMENTS

Sample date: 01/15/92
 Depth to water: 125.00 ft (38.10 m) below TOC
 Water elevation: 169.40 ft (51.63 m) msl
 Sp. conductance: 196 μ S/cm
 Water evacuated before sampling: 284 gal

Time: 10:50
 pH: 7.0
 Alkalinity: 76 mg/L
 Water temperature: 18.5°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	7.1	pH	0	GE
		Specific conductance	210	μ S/cm	0	GE
		Turbidity	<0.10	NTU	0	GE
•		Acenaphthene	<10	μ g/L	0	GE
•		Acenaphthylene	<10	μ g/L	0	GE
•		Acetophenone	<10	μ g/L	0	GE
•		Aldrin	<10	μ g/L	0	GE
		Aluminum	<20	μ g/L	0	GE
•		Anthracene	<10	μ g/L	0	GE
		Antimony	<2.0	μ g/L	0	GE
		Arsenic	<2.0	μ g/L	0	GE
		Barium	31	μ g/L	0	GE
		Benzene	<1.0	μ g/L	0	GE
•		alpha-Benzene hexachloride	<10	μ g/L	0	GE
•		beta-Benzene hexachloride	<10	μ g/L	0	GE
•		delta-Benzene hexachloride	<10	μ g/L	0	GE
•		Benzidine	<10	μ g/L	0	GE
•		Benzo[a]anthracene	<10	μ g/L	0	GE
•		Benzo[a]pyrene	<10	μ g/L	0	GE
•		Benzo[b]fluoranthene	<10	μ g/L	0	GE
•		Benzo[g,h,i]perylene	<10	μ g/L	0	GE
•		Benzo[k]fluoranthene	<10	μ g/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	μ g/L	0	GE
•		Bis(2-chloroethyl) ether	<10	μ g/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	μ g/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	μ g/L	0	GE
		Bromodichloromethane	<1.0	μ g/L	0	GE
		Bromoform	<1.0	μ g/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	μ g/L	0	GE
•		4-Bromophenyl phenyl ether	<10	μ g/L	0	GE
•		Butylbenzyl phthalate	<10	μ g/L	0	GE
		Cadmium	<2.0	μ g/L	0	GE
		Calcium	32,800	μ g/L	0	GE
		Carbon tetrachloride	<1.0	μ g/L	0	GE
•		Chlordane	<10	μ g/L	0	GE
		Chloride	2,480	μ g/L	0	GE
•		para-Chloro-meta-cresol	<10	μ g/L	0	GE
		Chlorobenzene	<1.0	μ g/L	0	GE
		Chloroethane	<1.0	μ g/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	μ g/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	μ g/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 85A collected on 01/15/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chloroform	< 1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0	µg/L	0	GE
•		2-Chloronaphthalene	< 10	µg/L	0	GE
•		2-Chlorophenol	< 10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	< 10	µg/L	0	GE
		Chromium	< 4.0	µg/L	0	GE
•		Chrysene	< 10	µg/L	0	GE
		Cobalt	< 4.0	µg/L	0	GE
		Copper	< 4.0	µg/L	0	GE
		Cyanide	< 5.0	µg/L	0	GE
•		p,p'-DDD	< 10	µg/L	0	GE
•		p,p'-DDE	< 10	µg/L	0	GE
•		p,p'-DDT	< 10	µg/L	0	GE
•		Di-n-butyl phthalate	< 10	µg/L	0	GE
•		Di-n-octyl phthalate	< 10	µg/L	0	GE
•		Dibenz[a,h]anthracene	< 10	µg/L	0	GE
		Dibromochloromethane	< 1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	< 10	µg/L	0	GE
		1,1-Dichloroethane	< 1.0	µg/L	0	GE
		1,2-Dichloroethane	< 1.0	µg/L	0	GE
		1,1-Dichloroethylene	< 1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.5	µg/L	0	GE
•		2,4-Dichlorophenol	< 10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	< 0.30	µg/L	0	GE
		1,2-Dichloropropane	< 1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	< 1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	< 1.0	µg/L	0	GE
•		Dieldrin	< 10	µg/L	0	GE
•		Diethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dimethyl phenol	< 10	µg/L	0	GE
•		Dimethyl phthalate	< 10	µg/L	0	GE
•		2,4-Dinitrophenol	< 45	µg/L	0	GE
•		2,4-Dinitrotoluene	< 10	µg/L	0	GE
•		2,6-Dinitrotoluene	< 10	µg/L	0	GE
•		1,2-Diphenylhydrazine	< 10	µg/L	0	GE
•		Endosulfan I	< 10	µg/L	0	GE
•		Endosulfan II	< 10	µg/L	0	GE
•		Endosulfan sulfate	< 10	µg/L	0	GE
•		Endrin	< 10	µg/L	0	GE
•		Endrin aldehyde	< 10	µg/L	0	GE
		Ethylbenzene	< 1.0	µg/L	0	GE
•		Fluoranthene	< 10	µg/L	0	GE
•		Fluorene	< 10	µg/L	0	GE
		Fluoride	< 100	µg/L	0	GE
•		Heptachlor	< 10	µg/L	0	GE
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	< 4.0	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 10	µg/L	0	GE
		Magnesium	798	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 85A collected on 01/15/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	<50	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE
•		PCB 1260	<150	µg/L	0	GE
•		Pentachlorophenol	<10	µg/L	0	GE
•		Phenanthrene	<10	µg/L	0	GE
•		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	1,000	µg/L	0	GE
•		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	29,600	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	1,750	µg/L	0	GE
		Sulfate	5,390	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	125,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	<5.0	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<10	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	3.0E+00 ± 5.0E-01	pCi/L	0	GE
		Nonvolatile beta	3.7E+00 ± 5.3E-01	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE
		Tritium	<7.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

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>Formation</u>
N73789.3	33.285162 °N	143.2-133.2 ft msl	294.5 ft msl	4" PVC	McBean (IIB ₁)
E58953.3	81.654898 °W				

FIELD MEASUREMENTS

Sample date: 01/15/92
 Depth to water: 60.53 ft (18.45 m) below TOC
 Water elevation: 233.97 ft (71.31 m) msl
 Sp. conductance: 613 µS/cm
 Water evacuated before sampling: 50 gal
 The well went dry during purging.

Time: 10:20
 pH: 11.9
 Alkalinity: 139 mg/L
 Water temperature: 17.3°C

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	9.4	pH	1	GE
		Specific conductance	215	µS/cm	0	GE
		Turbidity	0.67	NTU	0	GE
•		Acenaphthene	< 10	µg/L	0	GE
•		Acenaphthylene	< 10	µg/L	0	GE
•		Acetophenone	< 10	µg/L	0	GE
•		Aldrin	< 10	µg/L	0	GE
		Aluminum	39	µg/L	0	GE
•		Anthracene	< 10	µg/L	0	GE
		Antimony	< 2.0	µg/L	0	GE
		Arsenic	< 2.0	µg/L	0	GE
		Barium	31	µg/L	0	GE
		Benzene	< 1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	< 10	µg/L	0	GE
•		beta-Benzene hexachloride	< 10	µg/L	0	GE
•		delta-Benzene hexachloride	< 10	µg/L	0	GE
•		Benzidine	< 10	µg/L	0	GE
•		Benzo[a]anthracene	< 10	µg/L	0	GE
•		Benzo[a]pyrene	< 10	µg/L	0	GE
•		Benzo[b]fluoranthene	< 10	µg/L	0	GE
•		Benzo[g,h,i]perylene	< 10	µg/L	0	GE
•		Benzo[k]fluoranthene	< 10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	< 10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	< 10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	< 10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	< 10	µg/L	0	GE
		Bromodichloromethane	< 1.0	µg/L	0	GE
		Bromoform	< 1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	< 10	µg/L	0	GE
•		Butylbenzyl phthalate	< 10	µg/L	0	GE
		Cadmium	< 2.0	µg/L	0	GE
		Calcium	35,200	µg/L	0	GE
		Carbon tetrachloride	< 1.0	µg/L	0	GE
•		Chlordane	< 10	µg/L	0	GE
		Chloride	1,980	µg/L	0	GE
•		para-Chloro-meta-cresol	< 10	µg/L	0	GE
		Chlorobenzene	< 1.0	µg/L	0	GE
		Chloroethane	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 85B collected on 01/15/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	<4.0	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	3.4	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE
•		Heptachlor epoxide	<10	µg/L	0	GE
•		Hexachlorobenzene	<10	µg/L	0	GE
•		Hexachlorobutadiene	<10	µg/L	0	GE
•		Hexachlorocyclopentadiene	<10	µg/L	0	GE
•		Hexachloroethane	<10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	<10	µg/L	0	GE
		Iron	<4.0	µg/L	0	GE
•		Isophorone	<10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 85B collected on 01/15/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Lead	<3.0	µg/L	0	GE
•		Lindane	<10	µg/L	0	GE
		Magnesium	1,160	µg/L	0	GE
		Manganese	<2.0	µg/L	0	GE
		Mercury	<0.20	µg/L	0	GE
•		Methoxychlor	<0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	<10	µg/L	0	GE
•		N-Nitrosodimethylamine	<10	µg/L	0	GE
•		N-Nitrosodiphenylamine	<10	µg/L	0	GE
•		N-Nitrosodi-propylamine	<10	µg/L	0	GE
•		Naphthalene	<10	µg/L	0	GE
		Nickel	<4.0	µg/L	0	GE
		Nitrate as nitrogen	110	µg/L	0	GE
•		Nitrobenzene	<10	µg/L	0	GE
•		2-Nitrophenol	<10	µg/L	0	GE
•		4-Nitrophenol	<10	µg/L	0	GE
•		PCB 1016	<150	µg/L	0	GE
•		PCB 1221	<150	µg/L	0	GE
•		PCB 1232	<150	µg/L	0	GE
•		PCB 1242	<150	µg/L	0	GE
•		PCB 1248	<150	µg/L	0	GE
•		PCB 1254	<150	µg/L	0	GE
•		PCB 1260	<150	µg/L	0	GE
•		Pentachlorophenol	<10	µg/L	0	GE
•		Phenanthrene	<10	µg/L	0	GE
•		Phenol	<10	µg/L	0	GE
		Phenols	<5.0	µg/L	0	GE
		Potassium	884	µg/L	0	GE
•		Pyrene	<10	µg/L	0	GE
		Selenium	<2.0	µg/L	0	GE
		Silica	18,100	µg/L	0	GE
		Silver	<2.0	µg/L	0	GE
		Sodium	4,480	µg/L	0	GE
		Sulfate	1,770	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0	µg/L	0	GE
		Tetrachloroethylene	<1.0	µg/L	0	GE
		Tin	<2.0	µg/L	0	GE
		Toluene	<1.0	µg/L	0	GE
		Total dissolved solids	91,000	µg/L	0	GE
		Total organic carbon	<1,000	µg/L	0	GE
		Total organic halogens	18	µg/L	0	GE
		Total phosphates (as P)	<50	µg/L	0	GE
•		Toxaphene	<10	µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	<10	µg/L	0	GE
		1,1,1-Trichloroethane	<1.0	µg/L	0	GE
		1,1,2-Trichloroethane	<1.0	µg/L	0	GE
		Trichloroethylene	<1.0	µg/L	0	GE
		Trichlorofluoromethane	<1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	<10	µg/L	0	GE
		Vanadium	<8.0	µg/L	0	GE
		Xylenes	<2.0	µg/L	0	GE
		Zinc	<2.0	µg/L	0	GE
		Gross alpha	<2.0E+00	pCi/L	0	GE
		Nonvolatile beta	<2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	<1.0E+00	pCi/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 85B collected on 01/15/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tritium	<7.0E-01	pCi/mL	0	GE

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>Formation</u>
N73802.3	33.285182 °N	224.2-214.2 ft msl	294.1 ft msl	4" PVC	Water Table (IIB ₂)
E58947.4	81.654939 °W				

FIELD MEASUREMENTS

Sample date: 01/15/92	Time: 10:05
Depth to water: 54.46 ft (16.60 m) below TOC	pH: 4.8
Water elevation: 239.64 ft (73.04 m) msl	Alkalinity: 0 mg/L
Sp. conductance: 33 µS/cm	Water temperature: 18.1°C
Water evacuated before sampling: 67 gal	

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.1	pH	0	GE
		Specific conductance	42	µS/cm	0	GE
		Turbidity	<0.10	NTU	0	GE
•		Acenaphthene	<10	µg/L	0	GE
•		Acenaphthylene	<10	µg/L	0	GE
•		Acetophenone	<10	µg/L	0	GE
•		Aldrin	<10	µg/L	0	GE
		Aluminum	29	µg/L	0	GE
•		Anthracene	<10	µg/L	0	GE
		Antimony	<2.0	µg/L	0	GE
		Arsenic	<2.0	µg/L	0	GE
		Barium	4.8	µg/L	0	GE
		Benzene	<1.0	µg/L	0	GE
•		alpha-Benzene hexachloride	<10	µg/L	0	GE
•		beta-Benzene hexachloride	<10	µg/L	0	GE
•		delta-Benzene hexachloride	<10	µg/L	0	GE
•		Benzidine	<10	µg/L	0	GE
•		Benzo[a]anthracene	<10	µg/L	0	GE
•		Benzo[a]pyrene	<10	µg/L	0	GE
•		Benzo[b]fluoranthene	<10	µg/L	0	GE
•		Benzo[g,h,i]perylene	<10	µg/L	0	GE
•		Benzo[k]fluoranthene	<10	µg/L	0	GE
•		Bis(2-chloroethoxy) methane	<10	µg/L	0	GE
•		Bis(2-chloroethyl) ether	<10	µg/L	0	GE
•		Bis(2-chloroisopropyl) ether	<10	µg/L	0	GE
•		Bis(2-ethylhexyl) phthalate	<10	µg/L	0	GE
		Bromodichloromethane	<1.0	µg/L	0	GE
		Bromoform	<1.0	µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0	µg/L	0	GE
•		4-Bromophenyl phenyl ether	<10	µg/L	0	GE
•		Butylbenzyl phthalate	<10	µg/L	0	GE
		Cadmium	<2.0	µg/L	0	GE
		Calcium	166	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 85C collected on 01/15/92, laboratory analyses (cont.)

H	D	Analyte	Result	Unit	Flag	Lab
		Carbon tetrachloride	<1.0	µg/L	0	GE
•		Chlordane	<10	µg/L	0	GE
		Chloride	2,100	µg/L	0	GE
		Chloride	2,210	µg/L	0	GE
•		para-Chloro-meta-cresol	<10	µg/L	0	GE
		Chlorobenzene	<1.0	µg/L	0	GE
		Chloroethane	<1.0	µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0	µg/L	0	GE
		2-Chloroethyl vinyl ether	<1.0	µg/L	0	GE
		Chloroform	<1.0	µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0	µg/L	0	GE
•		2-Chloronaphthalene	<10	µg/L	0	GE
•		2-Chlorophenol	<10	µg/L	0	GE
•		4-Chlorophenyl phenyl ether	<10	µg/L	0	GE
		Chromium	<4.0	µg/L	0	GE
•		Chrysene	<10	µg/L	0	GE
		Cobalt	<4.0	µg/L	0	GE
		Copper	23	µg/L	0	GE
		Cyanide	<5.0	µg/L	0	GE
•		p,p'-DDD	<10	µg/L	0	GE
•		p,p'-DDE	<10	µg/L	0	GE
•		p,p'-DDT	<10	µg/L	0	GE
•		Di-n-butyl phthalate	<10	µg/L	0	GE
•		Di-n-octyl phthalate	<10	µg/L	0	GE
•		Dibenz[a,h]anthracene	<10	µg/L	0	GE
		Dibromochloromethane	<1.0	µg/L	0	GE
•		3,3'-Dichlorobenzidine	<10	µg/L	0	GE
		1,1-Dichloroethane	<1.0	µg/L	0	GE
		1,2-Dichloroethane	<1.0	µg/L	0	GE
		1,1-Dichloroethylene	<1.0	µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0	µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0	µg/L	0	GE
•		2,4-Dichlorophenol	<10	µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30	µg/L	0	GE
		1,2-Dichloropropane	<1.0	µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0	µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0	µg/L	0	GE
•		Dieldrin	<10	µg/L	0	GE
•		Diethyl phthalate	<10	µg/L	0	GE
•		2,4-Dimethyl phenol	<10	µg/L	0	GE
•		Dimethyl phthalate	<10	µg/L	0	GE
•		2,4-Dinitrophenol	<45	µg/L	0	GE
•		2,4-Dinitrotoluene	<10	µg/L	0	GE
•		2,6-Dinitrotoluene	<10	µg/L	0	GE
•		1,2-Diphenylhydrazine	<10	µg/L	0	GE
•		Endosulfan I	<10	µg/L	0	GE
•		Endosulfan II	<10	µg/L	0	GE
•		Endosulfan sulfate	<10	µg/L	0	GE
•		Endrin	<10	µg/L	0	GE
•		Endrin aldehyde	<10	µg/L	0	GE
		Ethylbenzene	<1.0	µg/L	0	GE
•		Fluoranthene	<10	µg/L	0	GE
•		Fluorene	<10	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
		Fluoride	<100	µg/L	0	GE
•		Heptachlor	<10	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 85C collected on 01/15/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		Heptachlor epoxide	< 10	µg/L	0	GE
•		Hexachlorobenzene	< 10	µg/L	0	GE
•		Hexachlorobutadiene	< 10	µg/L	0	GE
•		Hexachlorocyclopentadiene	< 10	µg/L	0	GE
•		Hexachloroethane	< 10	µg/L	0	GE
•		Indeno[1,2,3-c,d]pyrene	< 10	µg/L	0	GE
		Iron	< 4.0	µg/L	0	GE
•		Isophorone	< 10	µg/L	0	GE
		Lead	< 3.0	µg/L	0	GE
•		Lindane	< 10	µg/L	0	GE
		Magnesium	102	µg/L	0	GE
		Manganese	2.4	µg/L	0	GE
		Mercury	< 0.20	µg/L	0	GE
•		Methoxychlor	< 0.50	µg/L	0	GE
•		2-Methyl-4,6-dinitrophenol	< 10	µg/L	0	GE
•		N-Nitrosodimethylamine	< 10	µg/L	0	GE
•		N-Nitrosodiphenylamine	< 10	µg/L	0	GE
•		N-Nitrosodi-propylamine	< 10	µg/L	0	GE
•		Naphthalene	< 10	µg/L	0	GE
		Nickel	< 4.0	µg/L	0	GE
		Nitrate as nitrogen	1,620	µg/L	0	GE
		Nitrate as nitrogen	1,620	µg/L	0	GE
•		Nitrobenzene	< 10	µg/L	0	GE
•		2-Nitrophenol	< 10	µg/L	0	GE
•		4-Nitrophenol	< 10	µg/L	0	GE
•		PCB 1016	< 150	µg/L	0	GE
•		PCB 1221	< 150	µg/L	0	GE
•		PCB 1232	< 150	µg/L	0	GE
•		PCB 1242	< 150	µg/L	0	GE
•		PCB 1248	< 150	µg/L	0	GE
•		PCB 1254	< 150	µg/L	0	GE
•		PCB 1260	< 150	µg/L	0	GE
•		Pentachlorophenol	< 10	µg/L	0	GE
•		Phenanthrene	< 10	µg/L	0	GE
•		Phenol	< 10	µg/L	0	GE
		Phenols	< 5.0	µg/L	0	GE
		Potassium	< 500	µg/L	0	GE
•		Pyrene	< 10	µg/L	0	GE
		Selenium	< 2.0	µg/L	0	GE
		Silica	6,930	µg/L	0	GE
		Silver	< 2.0	µg/L	0	GE
		Sodium	3,710	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		Sulfate	< 1,000	µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0	µg/L	0	GE
		Tetrachloroethylene	< 1.0	µg/L	0	GE
		Tin	< 2.0	µg/L	0	GE
		Toluene	< 1.0	µg/L	0	GE
		Total dissolved solids	18,000	µg/L	0	GE
		Total organic carbon	< 1,000	µg/L	0	GE
		Total organic halogens	< 5.0	µg/L	0	GE
		Total phosphates (as P)	< 50	µg/L	0	GE
•		Toxaphene	< 10	µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090	µg/L	0	GE
•		1,2,4-Trichlorobenzene	< 10	µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0	µg/L	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

WELL HSB 85C collected on 01/15/92, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,2-Trichloroethane	< 1.0	µg/L	0	GE
		Trichloroethylene	< 1.0	µg/L	0	GE
		Trichlorofluoromethane	< 1.0	µg/L	0	GE
•		2,4,6-Trichlorophenol	< 10	µg/L	0	GE
		Vanadium	< 8.0	µg/L	0	GE
		Xylenes	< 2.0	µg/L	0	GE
		Zinc	< 2.0	µg/L	0	GE
		Gross alpha	< 2.0E+00	pCi/L	0	GE
		Nonvolatile beta	< 2.0E+00	pCi/L	0	GE
		Total alpha-emitting radium	< 1.0E+00	pCi/L	0	GE
		Tritium	2.7E+00 ± 2.0E-01	pCi/mL	0	GE

• = exceeded holding time. ■ = exceeded primary drinking water standard.

Appendix E – Time Series Plots

CLUSTER - BGO 6

Trichloroethylene

PDWS 5 µg/L
empty space denotes no data or less than
detection

BGO 7D

Trichloroethylene

WATER TABLE (IIB2)

PDWS 5 µg/L
empty space denotes no data or less than
detection

BGO 8D

Trichloroethylene

WATER TABLE (IIB2)

PDWS 5 µg/L
empty space denotes no data or less than
detection

BGO 11D

Trichloroethylene

WATER TABLE (IIB2)

PDWS 5 $\mu\text{g/L}$
empty space denotes no data or less than
detection

CLUSTER - BGO 12

Trichloroethylene

PDWS 5 µg/L
empty space denotes no data or less than
detection

CLUSTER - BGO 13

Trichloroethylene

PDWS 5 µg/L
 empty space denotes no data or less than
 detection; (R) denotes replacement well

CLUSTER - BGO 14

Trichloroethylene

PDWS 5 µg/L
empty space denotes no data or less than
detection; (R) denotes replacement well

BGO 15D

Trichloroethylene

PDWS 5 $\mu\text{g/L}$
empty space denotes no data or less than
detection

BGO 16D

Trichloroethylene

□ WATER TABLE (IIB2)

PDWS 5 µg/L
empty space denotes no data or less than
detection

BGO 18D

Trichloroethylene

PDWS 5 µg/L
empty space denotes no data or less than
detection

BGO 26A

Trichloroethylene

PDWS 5 µg/L
empty space denotes no data or less than
detection

BGO 27C

Trichloroethylene

PDWS 5 $\mu\text{g/L}$
empty space denotes no data or less than
detection

BGO 28D Trichloroethylene

□ WATER TABLE (IIB2)

PDWS 5 µg/L
empty space denotes no data or less than
detection

CLUSTER - BGO 29

Trichloroethylene

PDWS 5 µg/L
empty space denotes no data or less than
detection

CLUSTER - BGO 30

Trichloroethylene

• WATER TABLE (IIB2) * McBEAN (IIB1)

PDWS 5 µg/L
empty space denotes no data or less than
detection

BGO 31C

Trichloroethylene

PDWS 5 µg/L
empty space denotes no data or less than
detection

BGO 32D

Trichloroethylene

WATER TABLE (IIB2)

PDWS 5 µg/L
empty space denotes no data or less than
detection

BGO 33C

Trichloroethylene

PDWS 5 $\mu\text{g/L}$
empty space denotes no data or less than
detection

BGO 37C

Trichloroethylene

—+— McBEAN (IIB1)

PDWS 5 µg/L
empty space denotes no data or less than
detection

BGO 40D

Trichloroethylene

PDWS 5 µg/L
empty space denotes no data or less than
detection

BGO 42C

Trichloroethylene

—+— MGBEAN (IIB1)

PDWS 5 µg/L
empty space denotes no data or less than
detection

CLUSTER - BGO 46

Trichloroethylene

PDWS 5 µg/L
empty space denotes no data or less than
detection

CLUSTER - BGO 47

Trichloroethylene

PDWS 5 $\mu\text{g/L}$
empty space denotes no data or less than
detection

CLUSTER - BGO 48

Trichloroethylene

PDWS 5 µg/L
empty space denotes no data or less than
detection

CLUSTER - BGO 50

Trichloroethylene

PDWS 5 µg/L
empty space denotes no data or less than
detection

CLUSTER - BGX 2

Trichloroethylene

PDWS 5 µg/L
empty space denotes no data or less than
detection

CLUSTER - BGX 4

Trichloroethylene

PDWS 5 µg/L
empty space denotes no data or less than
detection

BGX 8D

Trichloroethylene

PDWS 5 $\mu\text{g/L}$
empty space denotes no data or less than
detection

BGO 1D Tritium

WATER TABLE (IIB2)

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGO 2D Tritium

WATER TABLE (HIB2)

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGO 3D Tritium

WATER TABLE (IIB2)

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGO 4D Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 5

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 6

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGO 7D Tritium

—•— WATER TABLE (IIB2)

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 8

Tritium

PDWS 20 pCi/mL
 empty space denotes no data or dry well;
 (R) denotes a replacement well

BGO 9D Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 10

Tritium

PDWS 20 pCi/mL
 empty space denotes no data or dry well;
 (R) denotes a replacement well

BGO 11D Tritium

WATER TABLE (IIB2)

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 12

Tritium

PDWS 20 pCi/mL
 empty space denotes no data or dry well;
 (R) denotes a replacement well

CLUSTER - BGO 13

Tritium

PDWS 20 pCi/mL
 empty space denotes no data or dry well;
 (R) denotes a replacement well

CLUSTER - BGO 14

Tritium

PDWS 20 pCi/mL
 empty space denotes no data or dry well;
 (R) denotes a replacement well

BGO 15D Tritium

WATER TABLE (IIB2)

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 16

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGO 17D Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGO 18D Tritium

WATER TABLE (IIB2)

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGO 19D Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGO 20D Tritium

—•— WATER TABLE (IIB2)

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGO 21D Tritium

WATER TABLE (IIB2)

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGO 22D Tritium

—•— WATER TABLE (IIB2)

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGO 23D Tritium

WATER TABLE (IIB2)

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGO 24D Tritium

WATER TABLE (IIB2)

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 26

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 27

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGO 28D Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 29

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 30

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 31

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGO 32D Tritium

WATER TABLE (IIB2)

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 33

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGO 34D Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 35

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGO 36D

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 37

Tritium

—•— WATER TABLE (IIB2) —*— MCBEAN (IIB1)

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGO 38D

Tritium

WATER TABLE (IIB2)

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGO 39D

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGO 40D Tritium

—•— WATER TABLE (IIB2)

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGO 42C

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 43

Tritium

—x— BARNWELL (IIB1) —◇— BARNWELL (IIB1) —△— CONGAREE (IIA)

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 44

Tritium

—•— WATER TABLE (IIB2) —*— McBEAN (IIB1) —x— BARNWELL (IIB1)

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 45

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 46

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 47

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 48

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 49

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGO 50

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

HMD 1D Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

HMD 2D Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

HMD 3D Tritium

BARNWELL (IIB1)

PDWS 20 pCi/mL
empty space denotes no data or dry well

HMD 4D Tritium

—x— BARNWELL (IIB1)

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - HSB 85

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGX 1

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGX 2

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGX 3D Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER - BGX 4

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGX 5D Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGX 6D

Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGX 7D Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGX 8D Tritium

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGX 9D Tritium

--- WATER TABLE (IIB2)

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGX 10D Tritium

WATER TABLE (IIB2)

PDWS 20 pCi/mL
empty space denotes no data or dry well

BGX 12D Tritium

WATER TABLE (IIB2)

PDWS 20 pCi/mL
empty space denotes no data or dry well

CLUSTER BGO 6 pH

Note: Breaks in lines indicate no data available.

CLUSTER BGO 8 pH

Note: Breaks in lines indicate no data available.

CLUSTER BGO 30 pH

Note: Breaks in lines indicate no data available.

BGO 28D (WATER TABLE, IIB1) pH

Note: Breaks in lines indicate no data available.

CLUSTER BGO 26 pH

Note: Breaks in lines indicate no data available.

CLUSTER BGO 16 pH

Note: Breaks in lines indicate no data available.

CLUSTER BGO 14 pH

Note: Breaks in lines indicate no data available.

Appendix F – Hydrographs

BGO 1D

Water Elevations

—+— WATER TABLE (IIB2)

empty space denotes no data or dry well

BGO 2D

Water Elevations

—+— WATER TABLE (IIB2)

empty space denotes no data or dry well

BGO 3D Water Elevations

+ WATER TABLE (IIB2)

empty space denotes no data or dry well

BGO 4D

Water Elevations

empty space denotes no data or dry well

CLUSTER - BGO 5

Water Elevations

—•— WATER TABLE (IIB2) —*— MCBEAN (IIB1)

empty space denotes no data or dry well

CLUSTER - BGO 6

Water Elevations

—•— WATER TABLE (IIB2) —+— McBEAN (IIB1) —△— CONGAREE (IIA)

empty space denotes no data or dry well

BGO 7D

Water Elevations

WATER TABLE (IIB2)

empty space denotes no data or dry well

CLUSTER - BGO 8

Water Elevations

WATER TABLE (IIB2)
CONGAREE (IIA)
CONGAREE (IIA) (R)

empty space denotes no data or dry well;
(R) denotes a replacement well

BGO 9D

Water Elevations

WATER TABLE (IIB2)

empty space denotes no data or dry well

CLUSTER - BGO 10

Water Elevations

empty space denotes no data or dry well;
(R) denotes a replacement well

BGO 11D

Water Elevations

WATER TABLE (IIB2)

empty space denotes no data or dry well

CLUSTER - BGO 12

Water Elevations

empty space denotes no data or dry well;
(R) denotes a replacement well

CLUSTER - BGO 13

Water Elevations

---+--- WATER TABLE (IIB2) +--- BARNWELL (IIB1)

empty space denotes no data or dry well;
(R) denotes a replacement well

CLUSTER - BGO 14

Water Elevations

empty space denotes no data or dry well;
(R) denotes a replacement well

BGO 15D

Water Elevations

WATER TABLE (IIB2)

empty space denotes no data or dry well

CLUSTER - BGO 16

Water Elevations

WATER TABLE (IIB2) CONGAREE (IIA)

empty space denotes no data or dry well

BGO 17D

Water Elevations

WATER TABLE (IIB2)

empty space denotes no data or dry well

CLUSTER - BGO 18

Water Elevations

BGO 19D

Water Elevations

WATER TABLE (IIB2)

empty space denotes no data or dry well

BGO 20D Water Elevations

WATER TABLE (IIB2)

empty space denotes no data or dry well

BGO 21D

Water Elevations

WATER TABLE (IIB2)

empty space denotes no data or dry well

BGO 22D

Water Elevations

empty space denotes no data or dry well

BGO 23D

Water Elevations

empty space denotes no data or dry well

BGO 24D Water Elevations

WATER TABLE (IIB2)

empty space denotes no data or dry well

BGO 25A

Water Elevations

CONGAREE (IIA)

empty space denotes no data or dry well

CLUSTER - BGO 26

Water Elevations

WATER TABLE (IIB2) CONGAREE (IIA)

empty space denotes no data or dry well

CLUSTER - BGO 27

Water Elevations

Water Table (IIB2) McBean (IIB1)

empty space denotes no data or dry well

BGO 28D

Water Elevations

empty space denotes no data or dry well

CLUSTER - BGO 29

Water Elevations

+ WATER TABLE (IIB2) + McBEAN (IIB1) ○ CONGAREE (IIA)

empty space denotes no data or dry well

CLUSTER - BGO 30

Water Elevations

empty space denotes no data or dry well

CLUSTER - BGO 31

Water Elevations

—+— WATER TABLE (IIB2) —□— McBEAN (IIB1)

empty space denotes no data or dry well

BGO 32D

Water Elevations

+ WATER TABLE (IIB2)

empty space denotes no data or dry well

CLUSTER - BGO 33

Water Elevations

+ WATER TABLE (IIB2) □ McBEAN (IIB1)

empty space denotes no data or dry well

BGO 34D

Water Elevations

+ WATER TABLE (IIB2)

empty space denotes no data or dry well

CLUSTER - BGO 35

Water Elevations

—+— WATER TABLE (IIB2) —□— McBEAN (IIB1)

empty space denotes no data or dry well

BGO 36D

Water Elevations

—+— WATER TABLE (11B2)

empty space denotes no data or dry well

CLUSTER - BGO 37

Water Elevations

empty space denotes no data or dry well

BGO 38D

Water Elevations

+ WATER TABLE (IIB2)

empty space denotes no data or dry well

BGO 39D

Water Elevations

BGO 40D

Water Elevations

WATER TABLE (IIB2)

empty space denotes no data or dry well

BGO 41A

Water Elevations

BGO 42C

Water Elevations

McBEAN (IIB1)

empty space denotes no data or dry well

CLUSTER - BGO 43

Water Elevations

empty space denotes no data or dry well

CLUSTER - BGO 44

Water Elevations

empty space denotes no data or dry well

CLUSTER - BGO 45

Water Elevations

empty space denotes no data or dry well

CLUSTER - BGO 46

Water Elevations

empty space denotes no data or dry well

CLUSTER - BGO 47

Water Elevations

empty space denotes no data or dry well

CLUSTER - BGO 48

Water Elevations

—+— WATER TABLE (IIB2) —◇— BARNWELL (IIB1)

empty space denotes no data or dry well

CLUSTER - BGO 49

Water Elevations

+ WATER TABLE (IIB2) ♦ BARNWELL (IIB1) △ U. CONGAREE (IIA)

empty space denotes no data or dry well

CLUSTER - BGO 50

Water Elevations

empty space denotes no data or dry well

CLUSTER - HSB 85

Water Elevations

empty space denotes no data or dry well

HMD 1D Water Elevations

empty space denotes no data or dry well

HMD 2D Water Elevations

empty space denotes no data or dry well

HMD 3D Water Elevations

---◇--- BARNWELL (IIB1)

empty space denotes no data or dry well

HMD 4D Water Elevations

empty space denotes no data or dry well

CLUSTER - BGX 1

Water Elevations

empty space denotes no data or dry well

CLUSTER - BGX 2

Water Elevations

empty space denotes no data or dry well

BGX 3D

Water Elevations

empty space denotes no data or dry well

CLUSTER - BGX 4

Water Elevations

empty space denotes no data or dry well

BGX 5D

Water Elevations

empty space denotes no data or dry well

BGX 6D

Water Elevations

—◇— BARNWELL (IIB1)

empty space denotes no data or dry well

BGX 7D

Water Elevations

—◇— BARNWELL (IIB1)

empty space denotes no data or dry well

BGX 8D

Water Elevations

empty space denotes no data or dry well

BGX 9D

Water Elevations

—◇— WATER TABLE (IIB2)

empty space denotes no data or dry well

BGX 10D Water Elevations

—◇— WATER TABLE (IIB2)

empty space denotes no data or dry well

CLUSTER - BGX 12

Water Elevations

+ WATER TABLE (IIB2) ◇ BARNWELL (IIB1)

empty space denotes no data or dry well

END

**DATE
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2 / 19 / 93