**Mixed Waste Management Facility Groundwater Monitoring Report,
Fourth Quarter 1998 and 1998 Summary**

RECEIVED
MAY 10 1999
OST

by

J. Chase

Westinghouse Savannah River Company

Savannah River Site

Aiken, South Carolina 29808

DOE Contract No. DE-AC09-96SR18500

This paper was prepared in connection with work done under the above contract number with the U. S. Department of Energy. By acceptance of this paper, the publisher and/or recipient acknowledges the U. S. Government's right to retain a nonexclusive, royalty-free license in and to any copyright covering this paper, along with the right to reproduce and to authorize others to reproduce all or part of the copyrighted paper.

RECEIVED
MAY 10 1999
OSTI

WSRC-TR-99-00015
Unclassified

MIXED WASTE MANAGEMENT FACILITY GROUNDWATER MONITORING REPORT (U)

FOURTH QUARTER 1998
AND 1998 SUMMARY

Publication Date: March 1999

Authorized Derivative Classifier
and Reviewing Official:

C.B. Reaves, P.E., R.O.

UNCLASSIFIED
Does Not Contain Unclassified
Controlled Nuclear Information

Westinghouse Savannah River Company
Savannah River Site
Aiken, SC 29808

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

MIXED WASTE MANAGEMENT FACILITY GROUNDWATER MONITORING REPORT (U)

**FOURTH QUARTER 1998
AND 1998 SUMMARY**

Publication Date: March 1999

Authorized Derivative Classifier
and Reviewing Official:

UNCLASSIFIED
Does Not Contain Unclassified
Controlled Nuclear Information

Westinghouse Savannah River Company
Savannah River Site
Aiken, SC 29808

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

This report has been reproduced directly from the best available copy.

Available to DOE and DOE contractors from the Office of Scientific and Technical Information, P.O. Box 62, Oak Ridge, TN 37831; prices available from (615) 576-8401.

Available to the public from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161.

DISCLAIMER

Portions of this document may be illegible in electronic image products. Images are produced from the best available original document.

MIXED WASTE MANAGEMENT FACILITY GROUNDWATER MONITORING REPORT (U)

FOURTH QUARTER 1998
AND 1998 SUMMARY

Publication Date: March 1999

Key Words

BGO wells
Old Radioactive Waste Burial Ground Complex
tetrachloroethylene
trichloroethylene
tritium

Westinghouse Savannah River Company
Savannah River Site
Aiken, SC 29808

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

THIS PAGE LEFT BLANK INTENTIONALLY.

Abstract

During fourth quarter 1998, ten constituents exceeded final Primary Drinking Water Standards (PDWS) in groundwater samples from downgradient monitoring wells at the Mixed Waste Management Facility. No constituents exceeded final PDWS in samples from the upgradient monitoring wells.

As in previous quarters, tritium and trichloroethylene were the most widespread elevated constituents. Carbon tetrachloride, chloroethene, chloroform, cis-1,2-dichloroethylene, 1,1-dichloroethylene, gross alpha, nonvolatile beta, and tetrachloroethylene also exceeded final PDWS in one or more wells. Elevated constituents were found in numerous Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean) wells and in five Aquifer Unit IIA (Congaree) wells.

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

THIS PAGE LEFT BLANK INTENTIONALLY.

Contents

	Page
Abstract	iii
List of Figures	vi
List of Tables	viii
Executive Summary	1
Introduction	3
Description of Facilities	3
Hydrostratigraphic Units	6
Discussion	7
Groundwater Monitoring Data	7
Integrity of the Monitoring Well Network	7
Analytical Results Exceeding Standards	9
Trichloroethylene and Tritium Time-Trend Data	10
Water Levels	11
Groundwater Flow Rates and Directions	12
Upgradient vs. Downgradient Results	14
Quality Control Results	14
Conclusions	15
1998 Summary	16
Errata	18
Appendix A—Final Primary Drinking Water Standards	A-1
Appendix B—Flagging Criteria	B-1
Appendix C—Figures	C-1
Appendix D—Groundwater Monitoring Results Tables	D-1
Appendix E—Data Quality/Usability Assessment	E-1
Appendix F—Time Series Plots	F-1
Appendix G—Hydrographs	G-1

List of Figures

	Page
1. Location of the Mixed Waste Management Facility at the Savannah River Site	C-3
2. Location of the Groundwater Monitoring Wells at the Mixed Waste Management Facility, the Old Radioactive Waste Burial Ground, the E-Area Vaults, the Hazardous Waste/Mixed Waste Disposal Vaults (the Burial Ground Complex), and the F-Area Sewage Sludge Application Site	C-4
3. Hydrostratigraphic Nomenclature	C-5
4. Location of Aquifer Zone IIB ₂ (Water Table) Wells at the Old Radioactive Waste Burial Ground Complex	C-6
5. Location of Aquifer Zone IIB ₁ (Barnwell/McBean) Wells at the Old Radioactive Waste Burial Ground Complex	C-7
6. Location of Aquifer Unit IIA (Congaree) Wells at the Old Radioactive Waste Burial Ground Complex.....	C-8
7. Trichloroethylene Concentrations in Aquifer Zone IIB ₂ (Water Table) at the Old Radioactive Waste Burial Ground Complex, Fourth Quarter 1997	C-9
8. Trichloroethylene Concentrations in Aquifer Zone IIB ₁ (Barnwell/McBean) at the Old Radioactive Waste Burial Ground Complex, Fourth Quarter 1997.....	C-10
9. Trichloroethylene Concentrations in Aquifer Unit IIA (Congaree) at the Old Radioactive Waste Burial Ground Complex, Fourth Quarter 1997	C-11
10. Tritium Activities in Aquifer Zone IIB ₂ (Water Table) at the Old Radioactive Waste Burial Ground Complex, Fourth Quarter 1997	C-12
11. Tritium Activities in Aquifer Zone IIB ₁ (Barnwell/McBean) at the Old Radioactive Waste Burial Ground Complex, Fourth Quarter 1997	C-13
12. Tritium Activities in Aquifer Unit IIA (Congaree) at the Old Radioactive Waste Burial Ground Complex, Fourth Quarter 1997	C-14
13. Piezometric Surface Map of Aquifer Zone IIB ₂ (Water Table) at the Old Radioactive Waste Burial Ground Complex, Fourth Quarter 1997.....	C-15
14. Potentiometric Surface Map of Aquifer Zone IIB ₁ (Barnwell/McBean) at the Old Radioactive Waste Burial Ground Complex, Fourth Quarter 1997	C-16
15. Potentiometric Surface Map of Aquifer Unit IIA (Congaree) at the Old Radioactive Waste Burial Ground Complex, Fourth Quarter 1997.....	C-17

List of Tables

1.	Average Water Elevations (ft msl) in the Hydrostratigraphic Units beneath the MWMF	11
2.	Estimated Horizontal Groundwater Flow Rates (ft/year) in the Hydrostratigraphic Units beneath the MWMF	13
D-1.	Constituents Exceeding the Primary Drinking Water Standard	D-8
D-2.	Constituents Exceeding the SRS Flag 2 Criteria.....	D-13
D-3.	Groundwater Monitoring Results for Individual Wells	D-22
D-4.	Groundwater Monitoring Results for Individual Wells, Replicate	D-234
D-5.	Groundwater Monitoring Results for Individual Wells, Duplicate	D-242

THIS PAGE LEFT BLANK INTENTIONALLY

Executive Summary

During 1998, 154 wells monitored groundwater quality in the uppermost aquifer beneath the Mixed Waste Management Facility (MWMF) at the Savannah River Site as required by the South Carolina Hazardous Waste Management Regulations and settlement agreements 87-52-SW and 91-51-SW. Samples from the wells are analyzed for selected heavy metals, indicator parameters, radionuclides, volatile organic compounds, and other constituents.

During fourth quarter 1998, approximately 53 percent of the downgradient wells at the MWMF contained one or more constituents that exceeded final Primary Drinking Water Standards (PDWS). These elevated constituents included carbon tetrachloride, chloroethene, chloroform, cis-1,2-dichloroethylene, 1,1-dichloroethylene, gross alpha, nonvolatile beta, tetrachloroethylene, trichloroethylene, and tritium. Consistent with historical trends, elevated constituent levels were found primarily in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean). However, five wells in Aquifer Unit IIA (Congaree) contained elevated constituents.

As in previous quarters, tritium and trichloroethylene were the most widespread elevated constituents. Seventy five (49%) of the 154 monitoring wells contained tritium activities in excess of the PDWS. Trichloroethylene concentrations exceeded the final PDWS in 22 (14%) of the wells.

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

THIS PAGE LEFT BLANK INTENTIONALLY.

Introduction

Description of Facilities

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

- In 1972, the MWMF began receiving various radioactive and nonradioactive wastes (Heffner and Exploration Resources, 1991).
- A closure plan for the MWMF was filed November 23, 1985, with the South Carolina Department of Health and Environmental Control (SCDHEC) (Jaegge et al., 1987). The closure plan included placing a low permeability cap and final vegetative cover over the facility.
- The MWMF became inactive in 1986 (WSRC, 1993b).
- A consent decree between the U.S. Department of Energy and the Natural Resources Defense Council et al. (Civil Action 1:85-2583-6, U.S. District Court, District of South Carolina, Aiken Division), signed May 26, 1988, and effective June 1, 1988, identified the MWMF as subject to the requirements of Subtitle C of the Resource Conservation and Recovery Act (RCRA).
- SCDHEC approved an interim status closure plan for the MWMF in December 1990 and accepted the closure certification in April 1991 in accordance with South Carolina Hazardous Waste Management Regulations (SCHWMP), Subpart G (SCDHEC, 1993).
- A 1992 RCRA Part B Permit Renewal Application was submitted to SCDHEC in November 1992 (WSRC, 1992a). This Renewal Application is being applied for as part of the overall SRS RCRA Part B Permit. This Renewal Application pertained to Volume VII Books 1 through 7 for the MWMF which applied for "post-closure care" status for the 58-acre MWMF and the 13-acre Solvent Rag Portions of the LLRWDF. These disposal areas were included in Volume VII of the Renewal Application as agreed upon by SRS and SCDHEC in settlement agreements 87-52-SW (May 10, 1991) and 91-51-SW (August 26, 1991).
- A closure plan for the Solvent Rag Portions was submitted to SCDHEC in August 1993 (WSRC, 1993b).
- A revision 2 1992 RCRA Part B Permit Renewal Application for the MWMF was submitted to SCDHEC on November 30, 1993 (WSRC, 1993c). This Application contained a Corrective Action Plan for groundwater remediation at the MWMF.
- Beginning first quarter 1994, wells FSS 1D, 2D, 3D, and 4D, located at the F-Area Sewage Sludge Application Site, were added to the MWMF monitoring well network. As a conditional requirement for the closure of the F-Area Sewage Sludge Application Site, the FSS monitoring wells are monitored for radionuclides related to the Burial Ground Complex.
- Revision 1 of the field investigation plan for the Burial Ground Complex (WSRC, 1993a), submitted to SCDHEC in September 1993, was approved in full on October 6, 1994. The field investigation plan addresses data uncertainties that were identified during the preparation of the MWMF RCRA Part B post-closure care permit application renewal.
- Phase 1 of the field investigation plan field work was divided into the following subphases: 1A—installation of 12 groundwater monitoring wells, 1B—exploratory work in the southwest corner of the Burial Ground Complex using direct push technology and exploratory borings, 1C—exploratory work in the northeast corner of the Burial Ground Complex using direct-push technology and

exploratory borings, and 1D—soil gas survey. Subphases 1B and 1C determined the horizontal and vertical extent of groundwater contamination away from the Burial Ground Complex. All activities of Phase 1 have been completed.

- In January 1995, a field investigation preliminary data report (No. 1) (WSRC, 1995) was submitted to provide the data obtained during Phases 1A, 1B, and 1D. Phase 1C data were not completed by submittal time; therefore, they were not included in the report.
- Phase 2 of the field investigation plan field work was divided into the following subphases: 2A—installation of 11 groundwater monitoring wells, 2B—soil sampling in and around the Burial Ground Complex to determine the source of contamination and background soil sampling, which will be used to establish "trigger levels" of potential contamination at the Burial Ground Complex, 2C—exploratory work around the Burial Ground Complex using direct-push technology (cone penetrometer and hydropunch) and exploratory borings, 2D—vadose sampling in and around the Burial Ground Complex to determine hydraulic conductivity of the vadose zone, and 2E—Fourmile Branch ecological sampling. The groundwater wells of subphase 2A have been installed. The first part of subphase 2B (background soil sampling) and the cone penetrometer logging and water sampling have been completed. Due to budgetary cutbacks, the remaining field work associated with Phases 2B, 2C, 2D, and 2E was postponed until 1996.
- The 23 groundwater monitoring wells installed in and around the Burial Ground Complex in 1994 as part of Phases 1A and 2A of the Burial Ground Complex field investigation plan (WSRC, 1993a) were scheduled for sampling for the first time during first or fourth quarters 1995.
- Quarterly groundwater monitoring at the Burial Ground Complex has been discontinued. The current sampling strategy is as follows: the POC wells are sampled twice a year, the plume assessment wells are sampled annually, and 20% of the POC wells are sampled annually for an expanded analyte list. In 1996, the groundwater monitoring report became an annual publication.
- In November 1995, revision 3 to the 1992 Part B Permit Renewal Application for the MWMF was submitted to SCDHEC. This revision included a groundwater Corrective Action Schedule that identifies a schedule of activities [Alternate Concentration Limit (ACL) Demonstrations, Mixing Zone (MZ) Requests, and Corrective Action Plans] proposed for each of the three plume areas pursuant to R.61-79.270(c)(7). This Corrective Action Schedule contained in this Permit Renewal Application supercedes the groundwater Corrective Action Plan submitted in the revision 2 Permit Renewal Application for the MWMF. The first plume area to be addressed by the revision 3 Permit Application is the southwest plume. A subsequent revision to this Permit Application would include proposed clean-up levels (ACL/MZ) for the southwest plume supported by statistical analysis.
- The remaining Phase 2 activities (2B, 2C, 2D, and 2E) were completed in 1996.
- In January 1996, wells BGO 3D, 11D, 12AR, 12CR, 12D, and 19D were abandoned and replaced by wells BGO 3DR, 11DR, 12AX, 12CX, 12DR, and 19DR. These wells were replaced due to interference with the construction of the LLRWDF cap. Sampling began at these new wells during second quarter 1996.
- In March 1996, RCRA cap construction on the remaining portions of the LLRWDF began. A field investigation data report (No. 2), summarizing Phase 2 activities, was submitted to SCDHEC in April 1996.
- In June 1996, wells BGO 22D and 22DR were abandoned due to construction of the LLRWDF cap and replaced with well BGO 22DX.
- In August 1996, revision 4 of the 1992 RCRA Part B Permit Renewal Application for the MWMF was submitted to SCDHEC for approval. This revision of the Permit Application included Volume VII Book 1 of 1 and supercedes earlier versions of the Application that included Volume VII Books 1 through 7. Also included in the revision 4 Application was an Alternate Concentration Limit Demonstration and Mixing Zone Request that proposed alternate clean-up levels for seven (7)

Contaminants of Concern as identified through statistical analysis of groundwater data at the southwest plume area.

- In August 1996, construction activities of an interim soil cover over the Old Radioactive Waste Burial Ground began. Deep rock boring DRB 3W and piezometers P-1A, -1B, and -1C were abandoned in September 1996.
- In January 1997, 68 old groundwater monitoring wells in the Burial Ground Complex were abandoned due to age, lack of maintenance and sampling, and type of well materials.
- In February 1997, Phase 3E of the Burial Ground Complex field investigation plan was completed. This work involved the sampling of surface water and sediment from Upper Three Runs Creek wetlands.
- In August and September 1997, six multiscreened wells, BSE 1C113, 132, 144, 159; BSE 1D059, 071, 081, 098; BSE 2C108, 127, 139, 154; BSE 2D055, 067, 077, 094; BSE 3C115, 134, 146, 161; and BSE 3D065, 072, 082, 095, were installed in the southeast plume area of the BGC. These wells were installed to provide long term groundwater monitoring of contaminant migration and impact on the hydrology due to the pump-treat-re-inject treatment system at the H-Area Seepage Basins.
- Notice of Deficiency (NOD) was received on May 1998 from SCDHEC on revision 4 of the MWMF RCRA Part B Post Closure Care Permit. A revision 5, which incorporated responses to the NODs, was submitted to SCDHEC in August 1998.
- Revision 1 to the Aquifer Test Plan (ATP) for the Burial Ground Complex was submitted to SCDHEC in September 1998.
- Drilling began in support of ATP in November 1998.
- An Interim Measures Plan (IMP) was submitted to SCDHEC in December 1998. The IMP outlines an interim approach to reducing the amount of tritium entering Fourmile Branch from seeps within the southwest plume area of the Burial Ground Complex.

Hydrostratigraphic Units

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

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

Discussion

Groundwater Monitoring Data

The sampling procedure for pumped wells (WSRC, 1992b) requires evacuation of a minimum of two well volumes and stabilization of pH, specific conductance, and turbidity prior to sample collection. Stability is established when a minimum of three successive measurements, taken within a given time period, are within a specified tolerance range. If a well pumps dry before two well volumes are purged or before stabilization is achieved, it must be revisited within 24 hours for the data to be considered from a single sampling event. On the second visit within 24 hours, samples are taken without further purging or stability measurements; thus, these samples may not be representative of groundwater quality.

Wells BGO 3A, 3C, 3DR, 11DR, 12AX, 12CX, 12DR, 19DR, 20A, 20AA, 20B, 20C, 39A, 39C, 51A, 51AA, 51B, 51C, 51D, 52A, 52AA, 52B, 52C, 52D, 53A, 53AA, 53B, 53C, and 53D have variable-speed centrifugal downhole pumps. All remaining wells in the BGO series and all wells in the BGX, FSS, and HMD series and in cluster HSB 85 have single-speed centrifugal downhole pumps. The wells in the BSE series have a double valve pump.

During fourth quarter 1998, groundwater samples from the MWMF were analyzed for selected heavy metals, indicator parameters, radionuclides, volatile organic compounds and other constituents. This report describes the results that equaled or exceeded the following standards:

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

For simplicity, results that equaled or exceeded standards are described as *exceeding* standards, *above* standards, or as *elevated*.

Both field and laboratory pH results are provided in this report. The field measurements are considered more reflective of actual groundwater conditions; however, laboratory pH measurements are required by current regulations. Because shipping time to the analytical laboratory for pH analyses exceeds both the SCDHEC holding time (the time between sample collection and analysis) of 15 minutes and the prescribed analytical method holding time, laboratory pH measurements always exceed the holding time.

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

Integrity of the Monitoring Well Network

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

- 61 Aquifer Zone IIB₂ (Water Table) wells (Figure 4, Appendix C):

BGO 1D, 2D, 3DR, 4D, 5D, 6D, 7D, 8D, 9D, 10DR, 11DR, 12DR, 14DR, 15D, 16D, 17DR, 18D, 19DR, 20D, 21D, 22DX, 23D, 24D, 26D, 27D, 28D, 29D, 30D, 31D, 32D, 33D, 34D, 35D, 36D, 37D, 38D, 39D, 40D, 44D, 45D, 46D, 47D, 48D, 49D, 50D, 51D, 52D, 53D; BGX 1D, 9D, 10D,

11D, 12D; **BSE** 1D059, 1D071, 1D081, 1D098, 2D055, 2D067, 2D077, 2D094, 3D065, 3D072, 3D082, 3D095; **FSS** 1D, 2D, 3D, 4D; **HSB** 85C

- 59 Aquifer Zone IIB₁ (Barnwell/McBean) wells (Figure 5, Appendix C):
BGO 3C, 5C, 6B, 6C, 8C, 10B, 10C, 12CX, 13DR, 14CR, 16B, 20B, 20C, 27C, 29C, 30C, 31C, 33C, 35C, 37C, 39C, 42C, 43CR, 43D, 44B, 44C, 45B, 45C, 46B, 46C, 47C, 48C, 49C, 50C, 51B, 51C, 52B, 52C, 53B, 53C; **BGX** 1C, 2B, 2D, 3D, 4C, 4D, 5D, 6D, 7D, 8DR, 12C; **BSE** 1C113, 1C132, 1C144, 1C159, 2C108, 2C127, 2C139, 2C154, 3C115, 3C134, 3C146, 3C164; **HMD** 1D, 2D, 3D, 4D; **HSB** 85B
- 34 Aquifer Unit IIA (Congaree) wells (Figure 6, Appendix C):
BGO 3A, 6A, 8AR, 9AA, 10AA, 10AR, 12AX, 14AR, 16AR, 18A, 20A, 20AA, 25A, 26A, 29A, 39A, 41A, 43A, 43AA, 44A, 44AA, 45A, 47A, 49A, 50A, 51A, 51AA, 52A, 52AA, 53A, 53AA; **BGX** 1A, 4A; **HSB** 85A

Note: the six BSE wells are named according to the following formula: **BSE NN C,D, NNN** where **NN** represents the well number, 1, 2, or 3; **C,D** represents the aquifer, Barnwell/McBean or Water Table respectively; and **NNN** represents the depth from land surface of the four screen zones for each well. For example, BSE 1D059 is well BGO 1D, screened in the water table aquifer at the 59 ft deep level.

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

Table D-3 provides codes that identify unusual sampling events during each quarter of sampling in 1998. Metals were not shipped due to high turbidity for well FSS 2D. SCDHEC has provided guidance that samples for metals for wells with high turbidity be collected and analyzed, and that the analytical results be annotated as appropriate. This revision to 3Q5 is in process. Future metals analyses will be performed as per SCDHEC guidance.

Other unusual sampling events (with applicable sampling codes in parentheses) occurred as follows during fourth quarter 1998.

- Wells that went dry during purging and revisited within 24 hours (X):
BGO 4D, 5C, 5D, 6B, 6D, 9AA, 9D, 10B, 10C, 10DR, 12CX, 13DR, 16B, 16D, 17DR, 20D, 21D, 23D, 24D, 25A, 26A, 26D, 27D, 28D, 29A, 29C, 29D, 30C, 30D, 31C, 31D, 32D, 33D, 34D, 35D, 36D, 37D, 38D, 39D, 40D, 41A, 42C, 43A, 43CR, 44B, 44C, 45B, 45C, 46C, 50A, 50C, 51D, 52D; **BGX** 1A, 1C, 1D, 2B, 2D, 10D; **FSS** 1D, 2D, 4D; **HMD** 1D, 4D; **HSB** 85B
- Wells that could not be sampled because they were inaccessible or had mechanical problems (P):
BGO 2D, 51A; **BSE** 1D059, 1D071, 1D098, 2D055, 3D065, 3D072
Well BGO 2D was not sampled due to RCRA closure activities at the LLRWDF.
Well BGO 51A was not sampled due to an overloaded box.
Well BSE 1D098 was unable to be sampled due to the presence of an organic material that seems to have clogged the well. The well requires redevelopment.
- Wells that could not be sampled because they were dry (D):
BGO 53D
Wells **BSE** 1D059, 1D071, 2D055, 3D065, 3D072 were unable to be sampled due to insufficient hydrostatic head at the well screen to allow groundwater to flow into the double valve pump. An alternate sampling method is being investigated for implementation at the next sampling event.

Analytical Results Exceeding Standards

Results for analytes that exceeded the final PDWS during fourth quarter 1998 are summarized in Table D-1 and described below. In the text description, the maximum level for each constituent is indicated in parentheses following the well in which it was detected.

Aquifer Zone IIB₂ (Water Table): 38 of the 61 wells contained elevated constituents during fourth quarter 1998.

- Tritium was elevated in 37 wells: **BGO** 3DR, 4D, 5D, 6D, 7D, 8D, 9D, 11DR (maximum activity at 1.8E+05 pCi/mL), 14DR, 15D, 16D, 19DR, 20D, 21D, 22DX, 23D, 28D, 30D, 31D, 32D, 33D, 35D, 37D, 38D, 39D, 44D, 46D, 47D, 48D, 50D, 51D, and 52D; **BGX** 1D; **BSE** 2D067, 2D094, 3D082, and 3D095; and **FSS** 2D and 3D.
- Trichloroethylene was elevated in 8 wells: **BGO** 3DR, 7D, 14DR, 15D (maximum concentration at 200 µg/L), 16D, 26D, 28D, and 30D.
- Gross alpha was elevated in well **BGO** 48D.
- Tetrachloroethylene was elevated in well **BGO** 15D.
- Chloroethene was elevated in well **BGO** 28D.

Aquifer Zone IIB₁ (Barnwell/McBean): 38 of the 59 wells contained elevated constituents during fourth quarter 1998.

- Tritium was elevated in 36 wells: **BGO** 5C, 6B, 6C, 8C, 10B, 12CX, 13DR, 14CR, 27C, 29C, 30C, 31C, 33C, 35C, 37C (maximum activity at 2.2E+05 pCi/mL), 44B, 44C, 45C, 46C, 47C, 48C, 49C, 50C, and 53C; **BGX** 1C, 2D, 3D, 4D, 5D, 6D, 7D, and 8DR; **BSE** 2C108; and **HMD** 1D, 3D and 4D.
- Trichloroethylene was elevated in 12 wells: **BGO** 12CX, 14CR, 27C, 30C, 35C, 37C (maximum concentration at 840 µg/L), 46C, 50C, and 53C; and **BGX** 2D; **BSE** 1C113, 1C132, 1C144, 1C159, and 2C108.
- Tetrachloroethylene was elevated in 2 wells: **BGO** 31C and 37C (maximum concentration at 34 µg/L).
- Carbon tetrachloride was elevated in well **BGO** 37C.
- Chloroform was elevated in well **BGO** 37C.
- cis-1,2-Dichloroethylene was elevated in well **BGO** 31C
- 1,1-Dichloroethylene was elevated in well **BGO** 37C.
- Gross alpha was elevated in three wells: **BGO** 30C; **BSE** 2C127, 2C154, 3C115, 3C134, 3C161.
- Nonvolatile beta was elevated in well **BSE** 3C115.

Aquifer Unit IIA (Congaree): 5 of the 33 wells contained elevated constituents during fourth quarter 1998.

- Tritium was elevated in 2 wells: **BGO** 3A and **BGX** 1A (maximum activity at 4.1E+02 pCi/mL).
- Trichloroethylene was elevated in 2 wells: **BGO** 26A and 41A (maximum concentration at 11 µg/L).
- Nonvolatile beta was elevated in well **BGO** 9AA.
- Gross alpha was elevated in 2 wells: **BGO** 9AA and 41A (maximum activity at 1.9E+01 pCi/L).

Results for analytes that exceeded other SRS flagging criteria during fourth quarter 1998 are summarized in Table D-2 of Appendix D.

Table D-3 shows complete field and analytical results for all the wells and indicates the analytical laboratories that conducted the analyses, the dilution factors used in the analyses, and the analyses that received modifiers (which help identify laboratory accuracy and precision) or that exceeded the EPA-approved holding times during fourth quarter 1998. Constituent results in Table D-3 that appear to equal the final PDWS but are not marked in the *ST* column (exceeded final PDWS or screening level) are below the final PDWS in the database. Database results, the results that are compared to the final PDWS, are entered with more significant digits than the results given in this report. Apparent discrepancies are the result of the rounding of reported results.

In addition to the results tables, Appendix D provides definitions of the abbreviations and the modifiers used in the results tables as well as descriptions of holding times, data rounding, and data qualification practices. Appendix E provides a general assessment of the quality and usability of the data.

Isoconcentration maps of trichloroethylene and tritium in Aquifer Zone IIB₂ (Water Table), Aquifer Zone IIB₁ (Barnwell/McBean), and Aquifer Unit IIA (Congaree) wells during fourth quarter 1998 appear in Figures 7 through 9 and 10 through 12 (Appendix C).

Trichloroethylene and Tritium Time-Trend Data

Time series plots from first quarter 1992 through fourth quarter 1998 for wells containing trichloroethylene and tritium are presented in Appendix F. A statistical analysis, part of the 1992 MWMF RCRA Part B post-closure care permit application renewal, identified trichloroethylene and tritium as among the constituents of concern. Statements concerning relative levels of these constituents are provided below.

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

- Trichloroethylene concentrations in wells **BGO** 2D, 3C, 3D, 4D, 5C, 5D, 6A, 6B, 6C, 8AR, 8C, 9AA, 9D, 10AA, 10AR, 10B, 10C, 10DR, 11DR, 12AX, 12DR, 13DR, 14AR, 16AR, 16B, 18A, 18D, 19D, 19DR, 20A, 20AA, 20B, 20C, 20D, 21D, 22DR, 23D, 24D, 25A, 27D, 29D, 31D, 33D, 34D, 35D, 36D, 37D, 38D, 39A, 39C, 39D, 43A, 43AA, 43CR, 43D, 44A, 44AA, 44B, 44D, 45A, 45B, 45C, 45D, 47A, 49A, 49C, 49D, 50A, 51A, 51AA, 51B, 51C, 51D, 52A, 52AA, 52B, 52C, 52D, 53A, 53AA, 53B, and 53D; **BGX** 1A, 1C, 1D, 2B, 4A, 4D, 5D, 6D, 7D, 9D, 10D, 11D, 12C, and 12D; **FSS** 1D, 2D, and 3D; and **HMD** 1D, 2D, 3D, and 4D have been consistently below or near detection limits. Concentrations in wells **BGO** 2D, 4D, 21D, 22DR, 24D, 25A, 34D, 36D; **BGX** 6D, 9D, 11D; **FSS** 1D, 2D, 3D; **HMD** 2D, 4D; and in well clusters **BGO** 19, 20, 51, 52 and **HSB** 85 have not exceeded the detection limits during the period represented on the time series plots and so do not appear in Appendix F.
- Trichloroethylene concentrations have not exceeded the final PDWS in upgradient wells **BGO** 1D and **HSB** 85A, 85B, and 85C.
- Trichloroethylene concentrations in wells **BGO** 3A, 8D, 11D, 12AR, 17DR, 29A, 29C, 31C, 32D, 41A, 40D, 44C, 46B, 47C, and 48C; **BGX** 1A, 1C, 3D, 4C, and 8DR; and **FSS** 4D have been consistently near or below the final PDWS.
- Wells **BGO** 3DR, 6D, 7D, 12CR, 12CX, 12D, 14CR, 14DR, 15D, 16D, 26D, 27C, 28D, 30C, 30D, 33C, 35C, 37C, 42C, 46C, 46D, 47D, 48D, 50D, and 53C, and **BGX** 2D have exhibited concentrations of trichloroethylene that consistently exceeded the final PDWS.
- Well **BGO** 37C, screened in Aquifer Zone IIB₁ (Barnwell/McBean), has consistently exhibited the highest trichloroethylene concentrations.

- Other wells have exhibited somewhat erratic activities, ranging from relatively high above the final PDWS to below the final PDWS (e.g., well **BGO 50C**).
- Data are insufficient to determine trends or do not suggest trends for other wells.

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

- Tritium activities in wells **BGO 6A, 8AR, 9AA, 10AA, 10AR, 12AR, 12AX, 16AR, 18A, 20A, 20AA, 20B, 25A, 26A, 39A, 41A, 43AA, 44A, 49A, 50A, 51A, 51AA, 51B, 52A, 52AA, 52C, 53A, 53AA, and 53B**; and **BGX 4A and 12C** have been consistently near or below detection limits.
- Tritium activities have not exceeded the final PDWS in upgradient wells **BGO 1D and HSB 85A, 85B, and 85C**.
- Tritium activities in wells **BGO 2D, 3C, 8C, 12CR, 14AR, 16B, 17DR, 18D, 20C, 24D, 26D, 29A, 29D, 33D, 34D, 39C, 40D, 42C, 43A, 43CR, 43D, 44AA, 45A, 45B, 47A, and 51C**; **BGX 2B, 4C, 6D, 9D, 10D, 11D, and 12D**; **FSS 1D and 4D**; and **HMD 2D, 3D, and 4D** have been consistently near or below the final PDWS.
- Wells **BGO 3A, 3D, 3DR, 5C, 6C, 6D, 7D, 9D, 10DR, 11D, 11DR, 12CX, 12D, 13DR, 14CR, 15D, 16D, 19D, 19DR, 20D, 21D, 22DR, 23D, 27C, 27D, 28D, 29C, 30C, 30D, 31C, 32D, 33C, 35C, 35D, 36D, 37C, 37D, 38D, 39D, 44B, 44C, 44D, 45C, 45D, 46C, 46D, 47C, 47D, 48C, 48D, 49C, 49D, 50C, 50D, 51D, 52D, and 53C**; **BGX 1A, 1C, 1D, 2D, 3D, 5D, 7D, and 8DR**; and **FSS 2D and 3D** have exhibited tritium levels that have consistently exceeded the final PDWS.
- Well **BGO 28D**, located in Aquifer Zone IIB₂ (Water Table) at the west edge of the Old Radioactive Waste Burial Ground, has, historically, consistently exhibited the highest tritium activities, exceeding 1.0E+05 pCi/mL during most quarters. However, during the last four years this tritium activity has declined. Furthermore, during the last three years, well **BGO 37C** has exhibited the highest levels of tritium activity with values as high as 1.6E+05, 2.1E+05, and 2.2E+05, respectively.
- Some wells have exhibited erratic activities, ranging from relatively high above the final PDWS to below the final PDWS (e.g., wells **BGO 4D, 5D, 6B, 8D, 10B, 10C, 14DR, 27D, 31D, and 46B**; **BGX 4D**; and **HMD 1D and 3D**).
- Data are insufficient to determine trends or do not suggest trends for other wells.

Water Levels

Hydrographs for selected wells and well clusters at the MWMF are provided in Appendix G. Average water elevations for all the wells in each of the three hydrostratigraphic units beneath the MWMF for the past four quarters are shown in Table 1.

Table 1. Average Water Elevations (ft msl) in the Hydrostratigraphic Units beneath the MWMF

Unit	1Q98	2Q98	3Q98	4Q98
Aquifer Zone IIB ₂ (Water Table)	230.22	231.74	235.28	232.00
Aquifer Zone IIB ₁ (Barnwell/McBean)	218.66	220.17	224.04	221.23
Aquifer Unit IIA (Congaree)	161.05	161.55	161.55	161.71

Data from the F and H Areas synchronous water elevations are included in the above table to provide averages for first and third quarters.

During fourth quarter 1998, the water level in Aquifer Zone IIB₂ (Water Table) declined an average of 3.28 ft compared to third quarter 1998, the water level in Aquifer Zone IIB₁ (Barnwell/McBean) declined an average of 2.81 ft, and the water level in Aquifer Unit IIA (Congaree) rose an average of .16 ft.

Using UTM coordinates, the fourth quarter 1998 flow directions in Aquifer Zone IIB₂ (Water Table) were to the southwest (flow path A) and northwest (flow path B). Flow directions in Aquifer Zone IIB₁ (Barnwell/McBean) were to the southwest (flow path A) and northwest (flow path B), and the flow direction in Aquifer Unit IIA (Congaree) was to the northwest (Figures 13, 14, and 15, Appendix C). Asterisked water elevation data on the Barnwell/McBean potentiometric map includes some wells screened in the lower portion of the aquifer and are not included in the contouring.

The flow rate estimates for groundwater in Aquifer Zone IIB₂ (Water Table) beneath the MWMF during fourth quarter 1998 were calculated as follows (Figure 23, Appendix C):

- Flow path A (toward Fourmile Branch)

$$\frac{3.03}{0.20} \times \frac{6}{2200} \approx 0.041 \text{ ft / day}$$

$$0.041 \text{ ft/day} \times 365 \text{ days} = 15 \text{ ft/year}$$

- Flow path B (toward Upper Three Runs Creek)

$$\frac{3.03}{0.20} \times \frac{8}{2200} \approx 0.055 \text{ ft / day}$$

$$0.055 \text{ ft/day} \times 365 \text{ days} = 20 \text{ ft/year}$$

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

- Flow path A (toward Fourmile Branch)

$$\frac{1.50}{0.20} \times \frac{8}{2850} \approx 0.021 \text{ ft / day}$$

$$0.021 \text{ ft/day} \times 365 \text{ days} = 7.7 \text{ ft/year}$$

- Flow path B (toward Upper Three Runs Creek)

$$\frac{1.5}{0.20} \times \frac{10}{950} \approx 0.08 \text{ ft / day}$$

$$0.08 \text{ ft/day} \times 365 \text{ days} = 29 \text{ ft/year}$$

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

$$\frac{45}{0.25} \times \frac{4}{1400} \approx 0.51 \text{ ft / day}$$

$$0.51 \text{ ft/day} \times 365 \text{ days} = 190 \text{ ft/year}$$

Upgradient vs. Downgradient Results

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

During fourth quarter 1998, no elevated constituents were detected in any upgradient wells. Downgradient wells in the three hydrostratigraphic units contained elevated levels of carbon tetrachloride, chloroethene, chloroform, cis-1,2-dichloroethylene, 1,1-dichloroethylene, gross alpha, nonvolatile beta, tetrachloroethylene, trichloroethylene, and tritium.

Quality Control Results

Wells **BGO** 10AA, 16AR, 18A, 27C, 37C, 44A, and 47A were selected to receive blind replicate analyses during fourth quarter 1998. Blind replicate analyses, representing approximately 5 percent of the quarter's total groundwater samples, are performed by the analytical laboratories each quarter for wells selected by EPD/EMS as part of the EPD/EMS quality assurance program (see Appendix E). The results of the analyses are used for both intralaboratory and interlaboratory comparisons. As part of intralaboratory quality assurance procedures, certain analyses were duplicated by the laboratory. The highest results of duplicate and replicate analyses are reported in Table D-3.

The Savannah River Site's Groundwater Monitoring Program, Fourth Quarter 1998 (U) (EPD/EMS, 1998) provides a full evaluation of data quality control and an explanation of analytical results for the quarter.

Conclusions

The groundwater at the MWMF contains elevated levels of heavy metals, radionuclides, volatile organic compounds, and other constituents resulting from over 40 years of operations at the Burial Ground Complex. During fourth quarter 1998, carbon tetrachloride, chloroethene, chloroform, cis-1,2-dichloroethylene, 1,1-dichloroethylene, gross alpha, nonvolatile beta, tetrachloroethylene, trichloroethylene, and tritium exceeded their final PDWS in one or more wells at the MWMF.

As in previous quarters, tritium and trichloroethylene were the most widespread elevated constituents. Seventy five (49%) of the 154 monitoring wells contained tritium activities in excess of the PDWS, with the maximum activity ($2.2\text{E}+05$ pCi/mL) occurring in well BGO 37C in Aquifer Zone IIB₁ (Barnwell/McBean). Trichloroethylene concentrations exceeded the final PDWS in 22 (14%) of the wells, with the maximum concentration of 840 µg/L found in well BGO 37C in Aquifer Zone IIB₁ (Barnwell/McBean).

Elevated constituent levels were found primarily in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean), consistent with historical data. Past quarters' results for Aquifer Unit IIA (Congaree) have indicated 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 in contaminant movement (GeoTrans, Inc., 1992). During fourth quarter 1998 in Aquifer Unit IIA (Congaree), gross alpha was elevated in wells BGO 9AA and 41A; nonvolatile beta was elevated in well BGO 9AA; trichloroethylene was elevated in wells BGO 26A and 41A; and tritium was elevated in wells BGO 3A and BGX 1A.

During fourth quarter 1998, no upgradient well contained constituents that exceeded the final PDWS. Elevated levels of constituents were detected in numerous downgradient wells. Generally, elevated levels of constituents found in downgradient wells but not in upgradient wells at a waste management unit are considered products of the waste management unit.

Groundwater in Aquifer Zone IIB₂ (Water Table) and Aquifer Zone IIB₁ (Barnwell/McBean) diverges beneath the Burial Ground Complex and discharges toward Upper Three Runs Creek or toward Fourmile Branch. During fourth quarter 1998, flow in these units was north toward Upper Three Runs Creek and west toward Fourmile Branch (UTM coordinates). The groundwater flow direction in Aquifer Unit IIA (Congaree) was northwest toward Upper Three Runs Creek.

Groundwater flow rate estimates were in the same order of magnitude as previous quarters. Estimates ranged from 15 to 20 ft/year in Aquifer Zone IIB₂ (Water Table) and from 7.7 to 29 ft/year in Aquifer Zone IIB₁ (Barnwell/McBean). The flow rate estimate in Aquifer Unit IIA (Congaree) was 190 ft/year.

Errata

Samples for field data are usually collected once each quarter, but samples for analytical data may be collected more than once each quarter. Thus, because the results tables present the highest analytical result for the quarter, the reported analytical result may be from a sample collected on a different date from the date the field data sample was collected.

Fourth Quarter 1997 and 1997 Summary:

- No errata have been reported.

Appendix A

Final Primary Drinking Water Standards

THIS PAGE LEFT BLANK INTENTIONALLY.

Table A-1. Final Primary Drinking Water Standards

Analyte	Level	Unit	Status	Source
Alachlor	2	µg/L	Final	EPA, 1995
Aldicarb	3	µg/L	Final	EPA, 1995
Aldicarb sulfone	2	µg/L	Final	EPA, 1995
Aldicarb sulfoxide	4	µg/L	Final	EPA, 1995
Antimony	6	µg/L	Final	EPA, 1995
Arsenic	50	µg/L	Final	EPA, 1995
Asbestos	7,000,000	Fibers/L	Final	EPA, 1995
Atrazine	3	µg/L	Final	EPA, 1995
Barium	2,000	µg/L	Final	EPA, 1995
Benzene	5	µg/L	Final	EPA, 1995
Benzo[a]pyrene	0.2	µg/L	Final	EPA, 1995
Beryllium	4	µg/L	Final	EPA, 1995
Bis(2-ethylhexyl) phthalate	6	µg/L	Final	EPA, 1995
Bromodichloromethane	100	µg/L	Final	EPA, 1995
Bromoform	100	µg/L	Final	EPA, 1995
2-sec-Butyl-4,6-dinitrophenol	7	µg/L	Final	EPA, 1995
Cadmium	5	µg/L	Final	EPA, 1995
Carbofuran	40	µg/L	Final	EPA, 1995
Carbon tetrachloride	5	µg/L	Final	EPA, 1995
Chlordane	2	µg/L	Final	EPA, 1995
Chlorobenzene	100	µg/L	Final	EPA, 1995
Chloroethene (Vinyl chloride)	2	µg/L	Final	EPA, 1995
Chloroform	100	µg/L	Final	EPA, 1995
Chromium	100	µg/L	Final	EPA, 1995
Copper	1,300	µg/L	Final	EPA Action level
Cyanide	200	µg/L	Final	EPA, 1995
Dalapon	200	µg/L	Final	EPA, 1995
Dibromochloromethane	100	µg/L	Final	EPA, 1995
1,2-Dibromo-3-chloropropane	0.2	µg/L	Final	EPA, 1995
1,2-Dibromoethane	0.05	µg/L	Final	EPA, 1995
1,2-Dichlorobenzene	600	µg/L	Final	EPA, 1995
1,4-Dichlorobenzene	75	µg/L	Final	EPA, 1995
1,2-Dichloroethane	5	µg/L	Final	EPA, 1995
1,1-Dichloroethylene	7	µg/L	Final	EPA, 1995
cis-1,2-Dichloroethylene	70	µg/L	Final	EPA, 1995
trans-1,2-Dichloroethylene	100	µg/L	Final	EPA, 1995
Dichloromethane (Methylene chloride)	5	µg/L	Final	EPA, 1995
2,4-Dichlorophenoxyacetic acid	70	µg/L	Final	EPA, 1995
1,2-Dichloropropane	5	µg/L	Final	EPA, 1995
Di(2-ethylhexyl) adipate	400	µg/L	Final	EPA, 1995
Diquat dibromide	20	µg/L	Final	EPA, 1995
Endothall	100	µg/L	Final	EPA, 1995
Endrin	2	µg/L	Final	EPA, 1995
Ethylbenzene	700	µg/L	Final	EPA, 1995
Fluoride	4,000	µg/L	Final	EPA, 1995
Glyphosate	700	µg/L	Final	EPA, 1995

Analyte	Level	Unit	Status	Source
Gross alpha ^a	1.5E+01	pCi/L	Final	EPA, 1995
Heptachlor	0.4	µg/L	Final	EPA, 1995
Heptachlor epoxide	0.2	µg/L	Final	EPA, 1995
Hexachlorobenzene	1	µg/L	Final	EPA, 1995
Hexachlorocyclopentadiene	50	µg/L	Final	EPA, 1995
Lead	15	µg/L	Final	EPA Action Level
Lindane	0.2	µg/L	Final	EPA, 1995
Mercury	2	µg/L	Final	EPA, 1995
Methoxychlor	40	µg/L	Final	EPA, 1995
Nickel	100	µg/L	Final	EPA, 1995
Nitrate as nitrogen	10,000	µg/L	Final	EPA, 1995
Nitrate-nitrite as nitrogen	10,000	µg/L	Final	EPA, 1995
Nitrite as nitrogen	1,000	µg/L	Final	EPA, 1995
Nonvolatile beta	5E+01	pCi/L	Interim Final	EPA, 1977
Oxamyl	200	µg/L	Final	EPA, 1995
PCB 1016	0.5	µg/L	Final	EPA, 1995
PCB 1221	0.5	µg/L	Final	EPA, 1995
PCB 1232	0.5	µg/L	Final	EPA, 1995
PCB 1242	0.5	µg/L	Final	EPA, 1995
PCB 1248	0.5	µg/L	Final	EPA, 1995
PCB 1254	0.5	µg/L	Final	EPA, 1995
PCB 1260	0.5	µg/L	Final	EPA, 1995
PCB 1262	0.5	µg/L	Final	EPA, 1995
Pentachlorophenol	1	µg/L	Final	EPA, 1995
Picloram	500	µg/L	Final	EPA, 1995
Selenium	50	µg/L	Final	EPA, 1995
Simazine	4	µg/L	Final	EPA, 1995
Strontium-89/90 ^b	8E+00	pCi/L	Final	EPA, 1995
Strontium-90	8E+00	pCi/L	Final	EPA, 1995
Styrene	100	µg/L	Final	EPA, 1995
2,3,7,8-TCDD	0.014	µg/L	Final	EPA, 1995
Tetrachloroethylene	5	µg/L	Final	EPA, 1995
Thallium	2	µg/L	Final	EPA, 1995
Toluene	1,000	µg/L	Final	EPA, 1995
Total coliform	0	N/A	Final	EPA, 1995
Toxaphene	3	µg/L	Final	EPA, 1995
2,4,5-TP (Silvex)	50	µg/L	Final	EPA, 1995
1,2,4-Trichlorobenzene	70	µg/L	Final	EPA, 1995
1,1,1-Trichloroethane	200	µg/L	Final	EPA, 1995
1,1,2-Trichloroethane	5	µg/L	Final	EPA, 1995
Trichloroethylene	5	µg/L	Final	EPA, 1995
Tritium	2E+01	pCi/mL	Final	EPA, 1995
Xylenes	10,000	µg/L	Final	EPA, 1995

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

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

Appendix B

Flagging Criteria

THIS PAGE LEFT BLANK INTENTIONALLY.

Flagging Criteria

Beginning first quarter 1992, flagging criteria were established for all constituents analyzed as part of the EPD/EMS Groundwater Monitoring Program. Only the flagging criteria for environmental screening analyses are used to trigger scheduling for designated wells in the environmental screening program, while all flagging criteria in Table B-1 are used to flag constituents in the analytical results tables.

The following rules are used in determining flagging criteria and scheduling sampling:

- **Flag 0:** Analysis for a constituent below Flag 1 is classified as Flag 0. Constituents classified as Flag 0 in each well series will be scheduled for analyses only by custodian request or as part of the triennial environmental screening program for wells designated as environmental screening wells.
- **Flag 1:** The Flag 1 criterion for a constituent equals half of the EPA primary drinking water standard (PDWS), the EPA proposed PDWS, or the EPA secondary drinking water standard (SDWS) for that constituent. If a constituent does not have an EPA drinking water standard, the Flag 1 criterion equals 5 times a recently published 90th percentile detection limit obtained by one of the primary laboratories. If a constituent exceeds Flag 1 in a monitoring well series, environmental screening wells in that series are sampled and analyzed for that constituent once a year. If a constituent falls below Flag 1 for three consecutive sampling episodes, the well's flag is reduced from Flag 1 status to Flag 0 status and follows the rules for Flag 0.
- **Flag 2:** The Flag 2 criterion for a constituent equals the EPA PDWS, the EPA proposed PDWS, or the EPA SDWS for that constituent. If a constituent does not have a drinking water standard, the Flag 2 criterion equals 10 times a recently published 90th percentile detection limit obtained by one of the primary laboratories. If a constituent exceeds Flag 2 in a monitoring well series, environmental screening wells in that series are sampled and analyzed for that constituent once a year. If a constituent falls below Flag 2 for three consecutive sampling episodes, the well's flag is reduced from Flag 2 status to Flag 1 or Flag 0 status and follows the rules for the lower flag.

The following constituents are exceptions to the flagging rules:

- Specific conductance and pH, which are indicator parameters, have flagging criteria but do not trigger the scheduling mechanism. No flags are set for alkalinity, 5-day biochemical oxygen demand, calcium, carbonate, chemical oxygen demand, magnesium, potassium, silica, sodium, total dissolved solids, total phosphates (as P), and total phosphorous because they are indicator parameters or major cations. Analyses for these constituents are conducted as part of the triennial environmental screening program or by special request.
- Aesthetic analyses such as color, odor, corrosivity, Eh, turbidity, and surfactants are not assigned flagging criteria but are analyzed by special request.
- Common laboratory contaminants and cleaners including phthalates, dichloromethane, ketones, and toluene are not assigned flagging criteria unless they have PDWS. These constituents are analyzed by special request.

Table B-1. Flagging Criteria

Analyte	Unit	Flag 1	Flag 2	Source
Acenaphthene	µg/L	5.1	10.2	EPA Method 8270
Acenaphthylene	µg/L	5.1	10.2	EPA Method 8270
Acetone	µg/L	500	1,000	EPA Method 8240 (Set by EPD/EMS)
Acetonitrile (Methyl cyanide)	µg/L	50	100	EPA Method 8240
Acetophenone	µg/L	85	170	EPA Method 8270
2-Acetylaminofluorene	µg/L	81	162	EPA Method 8270
Acrolein	µg/L	166.5	333	EPA Method 8240
Acrylonitrile	µg/L	250	500	EPA Method 8240
Actinium-228	µCi/mL	1.64E-06	3.27E-06	Proposed DWS (EPA, 1991a)

Analyte	Unit	Flag 1	Flag 2	Source
Alachlor	µg/L	1	2	Final DWS (CFR, 1995a)
Aldicarb	µg/L	1.5	3	Final DWS (CFR, 1995a)
Aldicarb sulfone	µg/L	1	2	Final DWS (CFR, 1995a)
Aldicarb sulfoxide	µg/L	2	4	Final DWS (CFR, 1995a)
Aldrin	µg/L	0.4	0.8	EPA Method 8080
Alkalinity (as CaCO ₃)		No flag	No flag	Set by EPD/EMS
Allyl chloride	µg/L	416.5	833	EPA Method 8240
Aluminum	µg/L	25	50	Secondary DWS (CFR, 1995b)
Aluminum, dissolved	µg/L	25	50	Secondary DWS (CFR, 1995b)
Aluminum, total recoverable	µg/L	25	50	Secondary DWS (CFR, 1995b)
Americium-241	µCi/mL	3.17E-09	6.34E-09	Proposed DWS (EPA, 1991a)
Americium-243	µCi/mL	3.19E-09	6.37E-09	Proposed DWS (EPA, 1991a)
4-Aminobiphenyl	µg/L	81	162	EPA Method 8270
Ammonia	µg/L	250	500	APHA Method 417B
Ammonia nitrogen	µg/L	500	1,000	EPA Method 350.1
Aniline	µg/L	81	162	EPA Method 8270
Anthracene	µg/L	5.1	10.2	EPA Method 8270
Antimony	µg/L	3	6	Final DWS (CFR, 1995a)
Antimony, dissolved	µg/L	3	6	Final DWS (CFR, 1995a)
Antimony, total recoverable	µg/L	3	6	Final DWS (CFR, 1995a)
Antimony-124	µCi/mL	3E-08	6E-08	Interim Final DWS (EPA, 1977)
Antimony-125	µCi/mL	1.5E-07	3E-07	Interim Final DWS (EPA, 1977)
Aramite	µg/L	81	162	EPA Method 8270
Arsenic	µg/L	25	50	Final DWS (CFR, 1995a)
Arsenic, dissolved	µg/L	25	50	Final DWS (CFR, 1995a)
Arsenic, total recoverable	µg/L	25	50	Final DWS (CFR, 1995a)
Asbestos	Fibers/L	3,500,000	7,000,000	Final DWS (CFR, 1995a)
Atrazine	µg/L	1.5	3	Final DWS (CFR, 1995a)
Azobenzene	µg/L	50	100	EPA Method 625
Barium	µg/L	1000	2,000	Final DWS (CFR, 1995a)
Barium, dissolved	µg/L	1000	2,000	Final DWS (CFR, 1995a)
Barium, total recoverable	µg/L	1000	2,000	Final DWS (CFR, 1995a)
Barium-133	µCi/mL	7.6E-07	1.52E-06	Proposed DWS (EPA, 1991a)
Barium-140 ^a	µCi/mL	4.5E-08	9E-08	Interim Final DWS (EPA, 1977)
Benzene	µg/L	2.5	5	Final DWS (CFR, 1995a)
alpha-Benzene hexachloride	µg/L	0.15	0.3	EPA Method 8080
beta-Benzene hexachloride	µg/L	0.25	0.5	EPA Method 8080
delta-Benzene hexachloride	µg/L	0.25	0.5	EPA Method 8080
Benzidine	µg/L	83.5	167	EPA Method 8270
Benzo[a]anthracene	µg/L	0.05	0.1	Proposed DWS (EPA, 1990)
Benzo[b]fluoranthene	µg/L	0.1	0.2	Proposed DWS (EPA, 1990)
Benzo[k]fluoranthene	µg/L	0.1	0.2	Proposed DWS (EPA, 1990)
Benzoic acid	µg/L	5	10	EPA Method 8270
Benzo[g,h,i]perylene	µg/L	5.1	10.2	EPA Method 8270
Benzo[a]pyrene	µg/L	0.1	0.2	Final DWS (CFR, 1995a)
1,4-Benzoquinone	µg/L	50	100	EPA Method 8270
Benzyl alcohol	µg/L	5	10	EPA Method 8270
Beryllium	µg/L	2	4	Final DWS (CFR, 1995a)
Beryllium, dissolved	µg/L	2	4	Final DWS (CFR, 1995a)
Beryllium, total recoverable	µg/L	2	4	Final DWS (CFR, 1995a)
Beryllium-7	µCi/mL	3E-06	6E-06	Interim Final DWS (EPA, 1977)
5-day Biochemical oxygen demand		No flag	No flag	Set by EPD/EMS
Bis(2-chloroethoxy) methane	µg/L	5.1	10.2	EPA Method 8270
Bis(2-chloroethyl) ether	µg/L	5.1	10.2	EPA Method 8270
Bis(2-chloroisopropyl) ether	µg/L	100	200	EPA Method 8270

Analyte	Unit	Flag 1	Flag 2	Source
Bis(chloromethyl) ether	µg/L	50	100	EPA Method 8270
Bis(2-ethylhexyl) phthalate	µg/L	3	6	Final DWS (CFR, 1995a)
Bismuth-214	µCi/mL	9.4E-06	1.89E-05	Proposed DWS (EPA, 1991a)
Boron	µg/L	2,500	5,000	EPA Method 6010
Boron, dissolved	µg/L	2,500	5,000	EPA Method 6010
Boron, total recoverable	µg/L	2,500	5,000	EPA Method 6010
Bromide	µg/L	5,000	10,000	EPA Method 300.0
Bromobenzene	µg/L	25	50	EPA Method 8260
Bromochloromethane	µg/L	5	10	EPA Method 8260
Bromodichloromethane	µg/L	50	100	Final DWS (CFR, 1995a)
Bromoform	µg/L	50	100	Final DWS (CFR, 1995a)
Bromomethane (Methyl bromide)	µg/L	10	20	EPA Method 8240
4-Bromophenyl phenyl ether	µg/L	5.1	10.2	EPA Method 8270
n-Butylbenzene	µg/L	5	10	EPA Method 8260
sec-Butylbenzene	µg/L	5	10	EPA Method 8260
tert-Butylbenzene	µg/L	5	10	EPA Method 8260
Butylbenzyl phthalate		No flag	No flag	Set by EPD/EMS
2-sec-Butyl-4,6-dinitrophenol	µg/L	3.5	7	Final DWS (CFR, 1995a)
Cadmium	µg/L	2.5	5	Final DWS (CFR, 1995a)
Cadmium, dissolved	µg/L	2.5	5	Final DWS (CFR, 1995a)
Cadmium, total recoverable	µg/L	2.5	5	Final DWS (CFR, 1995a)
Calcium		No flag	No flag	Set by EPD/EMS
Calcium, dissolved		No flag	No flag	Set by EPD/EMS
Calcium, total recoverable		No flag	No flag	Set by EPD/EMS
Carbofuran	µg/L	20	40	Final DWS (CFR, 1995a)
Carbon disulfide	µg/L	25	50	EPA Method 8240
Carbon tetrachloride	µg/L	2.5	5	Final DWS (CFR, 1995a)
Carbon-14	µCi/mL	1E-06	2E-06	Interim Final DWS (EPA, 1977)
Carbonate		No flag	No flag	Set by EPD/EMS
Cerium-141a	µCi/mL	1.5E-07	3E-07	Interim Final DWS (EPA, 1977)
Cerium-144	µCi/mL	1.31E-07	2.61E-07	Proposed DWS (EPA, 1991a)
Cesium-134b	µCi/mL	4.07E-08	8.13E-08	Proposed DWS (EPA, 1991a)
Cesium-137	µCi/mL	1E-07	2E-07	Interim Final DWS (EPA, 1977)
Chemical oxygen demand		No flag	No flag	Set by EPD/EMS
Chlordane	µg/L	1	2	Final DWS (CFR, 1995a)
alpha-Chlordane	µg/L	0.25	0.5	EPA Method 8080
gamma-Chlordane	µg/L	0.25	0.5	EPA Method 8080
Chloride	µg/L	125,000	250,000	Secondary DWS (CFR, 1995b)
4-Chloroaniline	µg/L	5	10	EPA Method 8270
Chlorobenzene	µg/L	50	100	Final DWS (CFR, 1995a)
Chlorobenzilate	µg/L	81	162	EPA Method 8270
4-Chloro-m-cresol	µg/L	5.1	10.2	EPA Method 8270
Chloroethane	µg/L	10	20	EPA Method 8240
Chloroethene (Vinyl chloride)	µg/L	1	2	Final DWS (CFR, 1995a)
Chloroethyl vinyl ether	µg/L	5	10	EPA Method 8240
2-Chloroethyl vinyl ether	µg/L	50	100	EPA Method 8240
Chloroform	µg/L	50	100	Final DWS (CFR, 1995a)
Chloromethane (Methyl chloride)	µg/L	10	20	EPA Method 8240
2-Chloronaphthalene	µg/L	5.1	10.2	EPA Method 8240
2-Chlorophenol	µg/L	5.1	10.2	EPA Method 8270
4-Chlorophenyl phenyl ether	µg/L	5.1	10.2	EPA Method 8270
Chloroprene	µg/L	1,665	3,330	EPA Method 8240
2-Chlorotoluene	µg/L	25	50	EPA Method 8260
4-Chlorotoluene	µg/L	5	10	EPA Method 8260
Chromium	µg/L	50	100	Final DWS (CFR, 1995a)

Analyte	Unit	Flag 1	Flag 2	Source
Chromium, dissolved	µg/L	50	100	Final DWS (CFR, 1995a)
Chromium, total recoverable	µg/L	50	100	Final DWS (CFR, 1995a)
Chromium-51 ^a	µCi/mL	3E-06	6E-06	Interim Final DWS (EPA, 1977)
Chrysene	µg/L	0.1	0.2	Proposed DWS (EPA, 1990)
Cobalt	µg/L	50	100	EPA Method 6010
Cobalt, dissolved	µg/L	50	100	EPA Method 6010
Cobalt, total recoverable	µg/L	50	100	EPA Method 6010
Cobalt-57	µCi/mL	5E-07	1E-06	Interim Final DWS (EPA, 1977)
Cobalt-58	µCi/mL	4.5E-06	9E-06	Interim Final DWS (EPA, 1977)
Cobalt-60	µCi/mL	5E-08	1E-07	Interim Final DWS (EPA, 1977)
Color		No flag	No flag	Set by EPD/EMS
Copper	µg/L	500	1,000	Primary DWS (SCDHEC, 1981)
Copper, dissolved	µg/L	500	1,000	Primary DWS (SCDHEC, 1981)
Copper, total recoverable	µg/L	500	1,000	Primary DWS (SCDHEC, 1981)
Corrosivity		No flag	No flag	Set by EPD/EMS
m-Cresol (3-Methylphenol)	µg/L	50	100	EPA Method 8270
o-Cresol (2-Methylphenol)	µg/L	5	10	EPA Method 8270
p-Cresol (4-Methylphenol)	µg/L	60	120	EPA Method 8270
Curium-242	µCi/mL	6.65E-08	1.33E-07	Proposed DWS (EPA, 1991a)
Curium-243	µCi/mL	4.15E-09	8.3E-09	Proposed DWS (EPA, 1991a)
Curium-243/244 ^c	µCi/mL	4.15E-09	8.3E-09	Proposed DWS (EPA, 1991a)
Curium-244	µCi/mL	4.92E-09	9.84E-09	Proposed DWS (EPA, 1991a)
Curium-245/246 ^a	µCi/mL	3.12E-09	6.23E-09	Proposed DWS (EPA, 1991a)
Curium-246	µCi/mL	3.14E-09	6.27E-09	Proposed DWS (EPA, 1991a)
Cyanide	µg/L	100	200	Final DWS (CFR, 1995a)
Dalapon	µg/L	100	200	Final DWS (CFR, 1995a)
p,p'-DDD	µg/L	0.55	1.1	EPA Method 8080
p,p'-DDE	µg/L	0.25	0.5	EPA Method 8080
p,p'-DDT	µg/L	0.85	1.7	EPA Method 8080
Diallate	µg/L	81	162	EPA Method 8270
Dibenz[a,h]anthracene	µg/L	0.15	0.3	Proposed DWS (EPA, 1990)
Dibenzofuran	µg/L	5	10	EPA Method 8270
Dibromochloromethane	µg/L	50	100	Final DWS (CFR, 1995a)
1,2-Dibromo-3-chloropropane	µg/L	0.1	0.2	Final DWS (CFR, 1995a)
1,2-Dibromoethane	µg/L	0.025	0.05	Final DWS (CFR, 1995a)
Dibromomethane (Methylene bromide)	µg/L	10	20	EPA Method 8240
Di-n-butyl phthalate		No flag	No flag	Set by EPD/EMS
1,2-Dichlorobenzene	µg/L	300	600	Final DWS (CFR, 1995a)
1,3-Dichlorobenzene	µg/L	81	162	EPA Method 8270
1,4-Dichlorobenzene	µg/L	37.5	75	Final DWS (CFR, 1995a)
3,3'-Dichlorobenzidine	µg/L	5.1	10.2	EPA Method 8270
trans-1,4-Dichloro-2-butene	µg/L	250	500	EPA Method 8240
Dichlorodifluoromethane	µg/L	10	20	EPA Method 8240
1,1-Dichloroethane	µg/L	10	20	EPA Method 8240
1,2-Dichloroethane	µg/L	2.5	5	Final DWS (CFR, 1995a)
cis-1,2-Dichloroethylene	µg/L	35	70	Final DWS (CFR, 1995a)
1,1-Dichloroethylene	µg/L	3.5	7	Final DWS (CFR, 1995a)
1,2-Dichloroethylene	µg/L	25	50	EPA Method 8240
trans-1,2-Dichloroethylene	µg/L	50	100	Final DWS (CFR, 1995a)
Dichloromethane (Methylene chloride)	µg/L	2.5	5	Final DWS (CFR, 1995a)
2,4-Dichlorophenol	µg/L	5.1	10.2	EPA Method 8270
2,6-Dichlorophenol	µg/L	83.5	167	EPA Method 8270
2,4-Dichlorophenoxyacetic acid	µg/L	35	70	Final DWS (CFR, 1995a)
1,2-Dichloropropane	µg/L	2.5	5	Final DWS (CFR, 1995a)
2,2-Dichloropropane	µg/L	5	10	EPA Method 8260

Analyte	Unit	Flag 1	Flag 2	Source
cis-1,3-Dichloropropene	µg/L	10	20	EPA Method 8240
trans-1,3-Dichloropropene	µg/L	10	20	EPA Method 8240
Dieldrin	µg/L	4.15	8.3	EPA Method 8080
Diethyl phthalate		No flag	No flag	Set by EPD/EMS
Di(2-ethylhexyl) adipate	µg/L	200	400	Final DWS (CFR, 1995a)
Dimethoate	µg/L	81	162	EPA Method 8270
2,4-Dimethyl phenol	µg/L	5.1	10.2	EPA Method 8270
Dimethyl phthalate		No flag	No flag	Set by EPD/EMS
p-Dimethylaminoazobenzene	µg/L	81	162	EPA Method 8270
p-(Dimethylamino)ethylbenzene	µg/L	50	100	EPA Method 8270
7,12-Dimethylbenz[a]anthracene	µg/L	81	162	EPA Method 8270
3,3'-Dimethylbenzidine	µg/L	81	162	EPA Method 8270
a,a-Dimethylphenethylamine	µg/L	81	162	EPA Method 8270
1,3-Dinitrobenzene	µg/L	81	162	EPA Method 8270
2,4-Dinitrophenol	µg/L	51	102	EPA Method 8270
2,4-Dinitrotoluene	µg/L	0.5	1	EPA Method 8270
2,6-Dinitrotoluene	µg/L	0.5	1	EPA Method 8270
Di-n-octyl phthalate		No flag	No flag	Set by EPD/EMS
1,4-Dioxane	µg/L	500	1,000	EPA Method 8270
Diphenylamine	µg/L	81	162	EPA Method 8270
1,2-Diphenylhydrazine	µg/L	83.5	167	EPA Method 8270
Diquat dibromide	µg/L	10	20	Final DWS (CFR, 1995a)
Dissolved organic carbon	µg/L	10,500,000	21,000,000	EPA Method 9060
Disulfoton	µg/L	81	162	EPA Method 8270
Eh		No flag	No flag	Set by EPD/EMS
Endosulfan I	µg/L	0.25	0.5	EPA Method 8080
Endosulfan II	µg/L	0.55	1.1	EPA Method 8080
Endosulfan sulfate	µg/L	0.55	1.1	EPA Method 8080
Endothall	µg/L	50	100	Final DWS (CFR, 1995a)
Endrin	µg/L	1	2	Final DWS (CFR, 1995a)
Endrin aldehyde	µg/L	0.85	1.7	EPA Method 8080
Endrin ketone		No flag	No flag	Set by EPD/EMS
Ethyl ether	µg/L	50	100	EPA Method 8260
Ethyl methacrylate	µg/L	2.5	5	EPA Method 8270
Ethyl methanesulfonate	µg/L	81	162	EPA Method 8270
Ethylbenzene	µg/L	350	700	Final DWS (CFR, 1995a)
Europium-152	µCi/mL	3E-08	6E-08	Interim Final DWS (EPA, 1977)
Europium-154	µCi/mL	1E-07	2E-07	Interim Final DWS (EPA, 1977)
Europium-155	µCi/mL	3E-07	6E-07	Interim Final DWS (EPA, 1977)
Famphur	µg/L	81	162	EPA Method 8270
Fluoranthene	µg/L	5.1	10.2	EPA Method 8270
Fluorene	µg/L	5.1	10.2	EPA Method 8270
Fluoride	µg/L	2,000	4,000	Final DWS (CFR, 1995a)
Glyphosate	µg/L	350	700	Final DWS (CFR, 1995a)
Gross alpha	µCi/mL	7.5E-09	1.5E-08	Final DWS (CFR, 1995a)
Heptachlor	µg/L	0.2	0.4	Final DWS (CFR, 1995a)
Heptachlor epoxide	µg/L	0.1	0.2	Final DWS (CFR, 1995a)
Heptachlorodibenzo-p-dioxin isomers	µg/L	0.007	0.014	EPA Method 8280
1,2,3,4,6,7,8-HPCDD	µg/L	0.007	0.014	EPA Method 8280
Heptachlorodibenzo-p-furan isomers	µg/L	0.008	0.016	EPA Method 8280
1,2,3,4,6,7,8-HPCDF	µg/L	0.008	0.016	EPA Method 8280
Hexachlorobenzene	µg/L	0.5	1	Final DWS (CFR, 1995a)
Hexachlorobutadiene	µg/L	5	10	EPA Method 8270
Hexachlorocyclopentadiene	µg/L	25	50	Final DWS (CFR, 1995a)
Hexachlorodibenzo-p-dioxin isomers	µg/L	0.008	0.016	EPA Method 8280

Analyte	Unit	Flag 1	Flag 2	Source
1,2,3,4,7,8-HxCDD	µg/L	0.0105	0.021	EPA Method 8280
Hexachlorodibenzo-p-furan isomers	µg/L	0.006	0.012	EPA Method 8280
1,2,3,4,7,8-HxCDF	µg/L	0.0085	0.017	EPA Method 8280
Hexachloroethane	µg/L	0.5	1	EPA Method 8270
Hexachlorophene	µg/L	83.5	167	EPA Method 8270
Hexachloropropene	µg/L	81	162	EPA Method 8270
2-Hexanone	µg/L	50	100	EPA Method 8240
Indeno[1,2,3-c,d]pyrene	µg/L	0.5	1	EPA Method 8270
Iodine	µg/L	250	500	APHA Method 415A
Iodine-129	µCi/mL	5E-10	1E-09	Interim Final DWS (EPA, 1977)
Iodine-131 ^a	µCi/mL	1.5E-09	3E-09	Interim Final DWS (EPA, 1977)
Iodomethane (Methyl iodide)	µg/L	125	250	EPA Method 8240
Iron	µg/L	150	300	Secondary DWS (CFR, 1995b)
Iron, dissolved	µg/L	150	300	Secondary DWS (CFR, 1995b)
Iron, total recoverable	µg/L	150	300	Secondary DWS (CFR, 1995b)
Iron-55 ^a	µCi/mL	1E-06	2E-06	Interim Final DWS (EPA, 1977)
Iron-59 ^a	µCi/mL	1E-07	2E-07	Interim Final DWS (EPA, 1977)
Isobutyl alcohol	µg/L	834.5	1,669	EPA Method 8240
Isodrin	µg/L	81	162	EPA Method 8270
Isophorone	µg/L	5.1	10.2	EPA Method 8270
Isopropylbenzene	µg/L	5	10	EPA Method 8260
p-Isopropyltoluene	µg/L	5	10	EPA Method 8260
Isosafrole	µg/L	81	162	EPA Method 8270
Kepone	µg/L	81	162	EPA Method 8270
Lanthanum-140 ^a	µCi/mL	3E-08	6E-08	Interim Final DWS (EPA, 1977)
Lead	µg/L	25	50	Final DWS (SCDHEC, 1981)
Lead, dissolved	µg/L	25	50	Final DWS (SCDHEC, 1981)
Lead, total recoverable	µg/L	25	50	Final DWS (SCDHEC, 1981)
Lead-212	µCi/mL	6.2E-08	1.23E-07	Proposed DWS (EPA, 1991a)
Lindane	µg/L	0.1	0.2	Final DWS (CFR, 1995a)
Lithium	µg/L	125	250	EPA Method 6010
Lithium, dissolved	µg/L	125	250	EPA Method 6010
Lithium, total recoverable	µg/L	125	250	EPA Method 6010
Magnesium		No flag	No flag	Set by EPD/EMS
Magnesium, dissolved		No flag	No flag	Set by EPD/EMS
Magnesium, total recoverable		No flag	No flag	Set by EPD/EMS
Manganese	µg/L	25	50	Secondary DWS (CFR, 1995b)
Manganese, dissolved	µg/L	25	50	Secondary DWS (CFR, 1995b)
Manganese, total recoverable	µg/L	25	50	Secondary DWS (CFR, 1995b)
Manganese-54	µCi/mL	1.5E-07	3E-07	Interim Final DWS (EPA, 1977)
Mercury	µg/L	1	2	Final DWS (CFR, 1995a)
Mercury, dissolved	µg/L	1	2	Final DWS (CFR, 1995a)
Mercury, total recoverable	µg/L	1	2	Final DWS (CFR, 1995a)
Methacrylonitrile	µg/L	416.5	833	EPA Method 8240
Methapyrilene	µg/L	81	162	EPA Method 8270
Methoxychlor	µg/L	20	40	Final DWS (CFR, 1995a)
Methyl tert-butyl ether	µg/L	5	10	EPA Method 8260
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	81	162	EPA Method 8270
3-Methylcholanthrene	µg/L	81	162	EPA Method 8270
2-Methyl-4,6-dinitrophenol	µg/L	51	102	EPA Method 8270
2-Methylnaphthalene	µg/L	5	10	EPA Method 8270
Molybdenum	µg/L	250	500	EPA Method 6010

Analyte	Unit	Flag 1	Flag 2	Source
Molybdenum, dissolved	µg/L	250	500	EPA Method 6010
Molybdenum, total recoverable	µg/L	250	500	EPA Method 6010
Naphthalene	µg/L	83.5	167	EPA Method 8270
1,4-Naphthoquinone	µg/L	81	162	EPA Method 8270
1-Naphthylamine	µg/L	81	162	EPA Method 8270
2-Naphthylamine	µg/L	81	162	EPA Method 8270
Neptunium-237	µCi/mL	3.53E-09	7.06E-09	Proposed DWS (EPA, 1991a)
Neptunium-239	µCi/mL	8.4E-07	1.68E-06	Proposed DWS (EPA, 1991a)
Nickel	µg/L	50	100	Final DWS (CFR, 1995a)
Nickel, dissolved	µg/L	50	100	Final DWS (CFR, 1995a)
Nickel, total recoverable	µg/L	50	100	Final DWS (CFR, 1995a)
Nickel-59	µCi/mL	1.5E-07	3E-07	Interim Final DWS (EPA, 1977)
Nickel-63	µCi/mL	2.5E-08	5E-08	Interim Final DWS (EPA, 1977)
Niobium-95 ^a	µCi/mL	1.5E-07	3E-07	Interim Final DWS (EPA, 1977)
Nitrate as nitrogen	µg/L	5,000	10,000	Final DWS (CFR, 1995a)
Nitrate-nitrite as nitrogen	µg/L	5,000	10,000	Final DWS (CFR, 1995a)
Nitrite as nitrogen	µg/L	500	1,000	Final DWS (CFR, 1995a)
m-Nitroaniline	µg/L	5	10	EPA Method 8270
o-Nitroaniline	µg/L	5	10	EPA Method 8270
p-Nitroaniline	µg/L	5	10	EPA Method 8270
Nitrobenzene	µg/L	5.1	10.2	EPA Method 8270
Nitrogen by Kjeldahl method	µg/L	500	1,000	EPA Method 351.2
2-Nitrophenol	µg/L	5.1	10.2	EPA Method 8270
4-Nitrophenol	µg/L	5.1	10.2	EPA Method 8270
4-Nitroquinoline-1-oxide	µg/L	81	162	EPA Method 8270
N-Nitrosodi-n-butylamine	µg/L	81	162	EPA Method 8270
N-Nitrosodiethylamine	µg/L	81	162	EPA Method 8270
N-Nitrosodimethylamine	µg/L	83.5	167	EPA Method 8270
N-Nitrosodiphenylamine	µg/L	5.1	10.2	EPA Method 8270
N-Nitrosodipropylamine	µg/L	5.1	10.2	EPA Method 8270
N-Nitrosomethylethylamine	µg/L	81	162	EPA Method 8270
N-Nitrosomorpholine	µg/L	81	162	EPA Method 8270
N-Nitrosopiperidine	µg/L	81	162	EPA Method 8270
N-Nitrosopyrrolidine	µg/L	81	162	EPA Method 8270
5-Nitro-o-toluidine	µg/L	81	162	EPA Method 8270
Nonvolatile beta	µCi/mL	2.5E-08	5E-08	Interim Final DWS (EPA, 1977)
Octachlorodibenzo-p-dioxin isomers	µg/L	0.0085	0.017	EPA Method 8280
Octachlorodibenzo-p-furan isomers	µg/L	0.0065	0.013	EPA Method 8280
Odor		No flag	No flag	Set by EPD/EMS
Oil and grease	µg/L	8,350	16,700	EPA Method 413.1
Oxamyl	µg/L	100	200	Final DWS (CFR, 1995a)
Parathion	µg/L	0.4	0.8	EPA Method 8080
Parathion methyl	µg/L	0.4	0.8	EPA Method 8080
PCB 1016	µg/L	0.25	0.5	Final DWS (CFR, 1995a)
PCB 1221	µg/L	0.25	0.5	Final DWS (CFR, 1995a)
PCB 1232	µg/L	0.25	0.5	Final DWS (CFR, 1995a)
PCB 1242	µg/L	0.25	0.5	Final DWS (CFR, 1995a)
PCB 1248	µg/L	0.25	0.5	Final DWS (CFR, 1995a)
PCB 1254	µg/L	0.25	0.5	Final DWS (CFR, 1995a)
PCB 1260	µg/L	0.25	0.5	Final DWS (CFR, 1995a)
PCB 1262	µg/L	0.25	0.5	Final DWS (CFR, 1995a)
Pentachlorobenzene	µg/L	81	162	EPA Method 8270
Pentachlorodibenzo-p-dioxin isomers	µg/L	0.008	0.016	EPA Method 8280
1,2,3,7,8-PCDD	µg/L	0.0075	0.015	EPA Method 8280
Pentachlorodibenzo-p-furan isomers	µg/L	0.0085	0.017	EPA Method 8280

Analyte	Unit	Flag 1	Flag 2	Source
1,2,3,7,8-PCDF	µg/L	0.0085	0.017	EPA Method 8280
Pentachloroethane	µg/L	81	162	EPA Method 8270
Pentachloronitrobenzene	µg/L	81	162	EPA Method 8270
Pentachlorophenol	µg/L	0.5	1	Final DWS (CFR, 1995a)
pH ^d	pH	8	10	Set by EPD/EMS
pH ^d	pH	4	3	Set by EPD/EMS
Phenacetin	µg/L	81	162	EPA Method 8270
Phenanthrene	µg/L	5.1	10.2	EPA Method 8270
Phenol	µg/L	83.5	167	EPA Method 8270
Phenols	µg/L	50	100	EPA Method 420.1
p-Phenylenediamine	µg/L	81	162	EPA Method 8270
Phorate	µg/L	0.85	1.7	EPA Method 8080
Picloram	µg/L	250	500	Final DWS (CFR, 1995a)
2-Picoline	µg/L	81	162	EPA Method 8270
Plutonium-238	µCi/mL	3.51E-09	7.02E-09	Proposed DWS (EPA, 1991a)
Plutonium-239	µCi/mL	3.11E-08	6.21E-08	Proposed DWS (EPA, 1991a)
Plutonium-239/240 ^c	µCi/mL	3.11E-08	6.21E-08	Proposed DWS (EPA, 1991a)
Plutonium-240	µCi/mL	3.11E-08	6.22E-08	Proposed DWS (EPA, 1991a)
Plutonium-241 ^a	µCi/mL	3.13E-08	6.26E-08	Proposed DWS (EPA, 1991a)
Plutonium-242 ^a	µCi/mL	3.27E-08	6.54E-08	Proposed DWS (EPA, 1991a)
Potassium		No flag	No flag	Set by EPD/EMS
Potassium, dissolved		No flag	No flag	Set by EPD/EMS
Potassium, total recoverable		No flag	No flag	Set by EPD/EMS
Potassium-40	µCi/mL	1.5E-07	3E-07	Proposed DWS (EPA, 1986a)
Promethium-144	µCi/mL	5E-08	1E-07	EPA Method 901.1
Promethium-146	µCi/mL	5E-08	1E-07	EPA Method 901.1
Promethium-147	µCi/mL	2.62E-06	5.24E-06	Proposed DWS (EPA, 1991a)
Pronamid	µg/L	81	162	EPA Method 8270
Propionitrile	µg/L	1,665	3,330	EPA Method 8240
n-Propylbenzene	µg/L	5	10	EPA Method 8260
Pyrene	µg/L	5.1	10.2	EPA Method 8270
Pyridine	µg/L	81	162	EPA Method 8270
Radium, total alpha-emitting	µCi/mL	1E-08	2E-08	Proposed DWS (EPA, 1991a)
Radium-226	µCi/mL	1E-08	2E-08	Proposed DWS (EPA, 1991a)
Radium-228	µCi/mL	1E-08	2E-08	Proposed DWS (EPA, 1991a)
Radon-222	µCi/mL	1.5E-07	3E-07	Proposed DWS (EPA, 1991a)
Ruthenium-103 ^a	µCi/mL	1E-07	2E-07	Interim Final DWS (EPA, 1977)
Ruthenium-106	µCi/mL	1.5E-08	3E-08	Interim Final DWS (EPA, 1977)
Safrole	µg/L	81	162	EPA Method 8270
Selenium	µg/L	25	50	Final DWS (CFR, 1995a)
Selenium, dissolved	µg/L	25	50	Final DWS (CFR, 1995a)
Selenium, total recoverable	µg/L	25	50	Final DWS (CFR, 1995a)
Silica		No flag	No flag	Set by EPD/EMS
Silica, dissolved		No flag	No flag	Set by EPD/EMS
Silica, total recoverable		No flag	No flag	Set by EPD/EMS
Silver	µg/L	50	100	Secondary DWS (CFR, 1995b)
Silver, dissolved	µg/L	50	100	Secondary DWS (CFR, 1995b)
Silver, total recoverable	µg/L	50	100	Secondary DWS (CFR, 1995b)
Simazine	µg/L	2	4	Final DWS (CFR, 1995a)
Sodium		No flag	No flag	Set by EPD/EMS
Sodium, dissolved		No flag	No flag	Set by EPD/EMS
Sodium, total recoverable		No flag	No flag	Set by EPD/EMS
Sodium-22	µCi/mL	2.33E-07	4.66E-07	Proposed DWS (EPA, 1991a)
Specific conductance ^d	µS/cm	250	500	Set by EPD/EMS
Strontium-89	µCi/mL	1E-08	2E-08	Interim Final DWS (EPA, 1977)

Analyte	Unit	Flag 1	Flag 2	Source
Strontium-89/90C	µCi/mL	4E-09	8E-09	Final DWS (CFR, 1995a)
Strontium-90	µCi/mL	4E-09	8E-09	Final DWS (CFR, 1995a)
Styrene	µg/L	50	100	Final DWS (CFR, 1995a)
Sulfate	µg/L	200,000	400,000	Proposed DWS (EPA, 1990)
Sulfide	µg/L	8,350	16,700	EPA Method 9030
Sulfotep	µg/L	81	162	EPA Method 8270
Surfactants		No flag	No flag	Set by EPD/EMS
2,3,7,8-TCDD	µg/L	0.007	0.014	Final DWS (CFR, 1995a)
2,3,7,8-TCDF	µg/L	0.00425	0.0085	EPA Method 8280
Technetium-99	µCi/mL	4.5E-07	9E-07	Interim Final DWS (EPA, 1977)
1,2,4,5-Tetrachlorobenzene	µg/L	81	162	EPA Method 8270
Tetrachlorodibenzo-p-dioxin isomers	µg/L	0.007	0.014	EPA Method 8280
Tetrachlorodibenzo-p-furan isomers	µg/L	0.0055	0.011	EPA Method 8280
1,1,1,2-Tetrachloroethane	µg/L	10	20	EPA Method 8240
1,1,2,2-Tetrachloroethane	µg/L	50	100	EPA Method 8240
Tetrachloroethylene	µg/L	2.5	5	Final DWS (CFR, 1995a)
2,3,4,6-Tetrachlorophenol	µg/L	83.5	167	EPA Method 8270
Thallium	µg/L	1	2	Final DWS (CFR, 1995a)
Thallium, dissolved	µg/L	1	2	Final DWS (CFR, 1995a)
Thallium, total recoverable	µg/L	1	2	Final DWS (CFR, 1995a)
Thionazin	µg/L	81	162	EPA Method 8270
Thorium-228	µCi/mL	6.25E-08	1.25E-07	Proposed DWS (EPA, 1991a)
Thorium-230	µCi/mL	3.96E-08	7.92E-08	Proposed DWS (EPA, 1991a)
Thorium-232	µCi/mL	4.4E-08	8.8E-08	Proposed DWS (EPA, 1991a)
Thorium-234a	µCi/mL	2E-07	4.01E-07	Proposed DWS (EPA, 1991a)
Tin	µg/L	250	500	EPA Method 282.2
Tin, dissolved	µg/L	250	500	EPA Method 282.2
Tin, total recoverable	µg/L	250	500	EPA Method 282.2
Tin-113	µCi/mL	1.5E-07	3E-07	Interim Final DWS (EPA, 1977)
Toluene	µg/L	500	1,000	Final DWS (CFR, 1995a)
o-Toluidine	µg/L	81	162	EPA Method 8270
Total carbon	µg/L	5,000	10,000	EPA Method 9060
Total coliform	N/A	0	0	Final DWS (CFR, 1995a)
Total dissolved solids		No flag	No flag	Set by EPD/EMS
Total hydrocarbons	µg/L	5,000	10,000	EPA Method 418.1
Total inorganic carbon	µg/L	8,350	16,700	EPA Method 9060
Total organic carbon	µg/L	500,000	1,000,000	EPA Method 9060
Total organic halogens	µg/L	50	100	EPA Method 9020
Total organic nitrogen	µg/L	500	1,000	APHA Method 420
Total petroleum hydrocarbons	µg/L	8,350	16,700	EPA Method 418.1
Total phosphates (as P)		No flag	No flag	Set by EPD/EMS
Total phosphorus		No flag	No flag	Set by EPD/EMS
Toxaphene	µg/L	1.5	3	Final DWS (CFR, 1995a)
2,4,5-TP (Silvex)	µg/L	25	50	Final DWS (CFR, 1995a)
Tributyl phosphate	µg/L	86	172	EPA Method 8270
1,2,3-Trichlorobenzene	µg/L	5	10	EPA Method 8260
1,2,4-Trichlorobenzene	µg/L	35	70	Final DWS (CFR, 1995a)
1,1,1-Trichloroethane	µg/L	100	200	Final DWS (CFR, 1995a)
1,1,2-Trichloroethane	µg/L	2.5	5	Final DWS (CFR, 1995a)
Trichloroethylene	µg/L	2.5	5	Final DWS (CFR, 1995a)
Trichlorofluoromethane	µg/L	10	20	EPA Method 8240
2,4,5-Trichlorophenol	µg/L	5	10	EPA Method 8270
2,4,6-Trichlorophenol	µg/L	0.5	1	EPA Method 8270
2,4,5-Trichlorophenoxyacetic acid	µg/L	0.25	0.5	EPA Method 8150
1,2,3-Trichloropropane	µg/L	10	20	EPA Method 8240

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

- a EMS discontinued monitoring this radionuclide because it is inappropriate for the SRS groundwater monitoring program.
- b EPD/EMS set this flagging criterion using the 1991 proposed DWS because the final DWS in 1977 may have been in error.
- c When radionuclide analyses are combined, the lowest DWS of the two isotopes is used for flagging.
- d Will not trigger scheduling.
- e The primary maximum contaminant level range for turbidity is 1–5 NTU, which is inappropriate for the SRS groundwater monitoring program.

Appendix C

Figures

THIS PAGE LEFT BLANK INTENTIONALLY.

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

Fourth Quarter 1998 and 1998 Summary

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

Figure 3. Hydrostratigraphic Nomenclature

Fourth Quarter 1998 and 1998 Summary

Figure 5. Location of Aquifer Zone IIB₁ (Barnwell/McBean) Wells at the Burial Ground Complex

Figure 6. Location of Aquifer Unit IIA (Congaree) Wells at the Burial Ground Complex

Figure 7. Trichloroethylene Concentrations in Aquifer Zone IIB₂ (Water Table) at the Burial Ground Complex, Fourth Quarter 1998

Figure 8. Trichloroethylene Concentrations in Aquifer Zone IIB₁ (Barnwell/McBean) at the Burial Ground Complex, Fourth Quarter 1998

Figure 9. Trichloroethylene Concentrations in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Fourth Quarter 1998

Figure 10. Tritium Activities in Aquifer Zone IIB₂ (Water Table) at the Burial Ground Complex, Fourth Quarter 1998

Figure 11. Tritium Activities in Aquifer Zone IIB₁ (Barnwell/McBean) at the Burial Ground Complex, Fourth Quarter 1998

Figure 12. Tritium Activities in Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Fourth Quarter 1998

Figure 13. Piezometric Surface Map of Aquifer Zone IIB₂ (Water Table) at the Burial Ground Complex, Fourth Quarter 1998

Figure 14. Potentiometric Surface Map of Aquifer Zone IIB₁ (Barnwell/McBean) at the Burial Ground Complex, Fourth Quarter 1998

Figure 15. Potentiometric Surface Map of Aquifer Unit IIA (Congaree) at the Burial Ground Complex, Fourth Quarter 1998

THIS PAGE LEFT BLANK INTENTIONALLY.

Appendix D

Groundwater Monitoring Results Tables

THIS PAGE LEFT BLANK INTENTIONALLY.

Key to Reading the Tables

The following abbreviations may appear in the data tables:

Constituents

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

Laboratories

CN	Clemson Technical Center, Inc.
EM	Environmental Protection Department/Environmental Monitoring Section (EPD/EMS) Laboratory
GE and GP	General Engineering Laboratories, Inc.
SC	Savannah River Technology Center
SP	Spencer Testing Services, Inc.
TM	Thermo NUtech
WA	Recra LabNet Philadelphia (was Roy F. Weston, Inc., until June 1997)

Sampling Codes

A	Pump was surging excessively; aerated
B	Blank sample was collected
C	Well was pumping continuously
D	Well was dry
I	Well went dry during sampling; insufficient water to collect all samples
L	Well went dry before sampling began; only depth to water can be determined
N	Well was not stabilized before sampling began
P	Inaccessibility or mechanical failure prevented sample collection and field analysis of the water
S	No water in standpipe; for water-level events only
T	Samples were collected, but some samples were not sent to the laboratory due to high turbidity
W	Unable to sample well because of stabilization or sampling equipment failure; water-level measurements were obtained

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

Sampling Methods

B sample collected using an open-bucket bailer
O sample collected by method other than bailer or pump
P sample collected using a bladder pump
S sample collected using a single-speed centrifugal downhole pump
V sample collected using a variable-speed pump

Units

mg/L milligrams per liter
msl mean sea level
NTU nephelometric turbidity unit
pCi/L picocuries per liter
pCi/mL picocuries per milliliter
pH pH units
µg/L micrograms per liter
µS/cm microsiemens per centimeter

Data Table Column Headings

DF dilution factor
H exceeded the holding time
Mod modifier
S exceeded the GWPS

Other

CS carbon steel
E exponential notation (e.g., $1.1\text{E}-09 = 1.1 \times 10^{-9} = 0.0000000011$)
PVC polyvinyl chloride
TOC top of casing

Data Qualification

The contract laboratories submit sample- or batch-specific quality assurance/quality control information either at the same time as analytical results or in a quarterly summary. Properly defined and used data modifiers (also referred to as qualifiers) can be a key component in assessing data usability. These modifiers appear in the data tables under the column *Mod*. Data for third quarter 1998 were reported by the laboratories in data format AN95, while data for fourth quarter 1998 were reported in AN98. One major difference between the two formats is the modifiers used. In the data tables, three possible fields for modifiers for each quarter are separated by slashes. For AN95 data, result qualifiers (RQ) may appear before the first slash, analysis qualifiers (AQ) between the two slashes, and bias modifiers (B) after the second. For AN98 data, functional guidance qualifiers (FG) may appear before the first slash, STORET codes

(SC) between the two slashes, and EMS codes (EC) after the second slash. For further information on modifiers and their definitions, contact EMS.

AN95 Modifiers

(Blank)	Data are not qualified. Numbers should be interpreted exactly as reported.
J	Value is estimated because quantitation in the sample or in associated quality control samples did not meet specifications. (RQ)
L	Value is off-scale high. The actual value is not known but is known to be greater than the value shown. (RQ)
R	Result was rejected because performance requirements in the sample analysis or associated quality control analyses were not met. (RQ)
U	Material was analyzed for but not detected. Analytical result reported is less than the sample quantitation limit. (RQ)
E	The detected result is between the sample-specific EQL and the method detection limit. (AQ)
I	The value in the result field is the instrument reading, not the sample quantitation limit. Always used with the result qualifier U. (AQ)
V	Analyte was detected in an associated method blank. (AQ)
Y	Result was obtained from an unpreserved or improperly preserved sample. Data may not be accurate. (AQ)
4	Matrix interference. Value cannot be determined. Used with RQ R. (AQ)

AN98 Modifiers

(Blank)	Data are not qualified. Numbers should be interpreted exactly as reported.
J	The analyte was positively identified; the associated numerical value is an estimated concentration of the analyte in the sample. (FG)
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified. (FG)
U	Material analyzed for, but not detected. The analyte concentration is <ssEQL. (SC)
C	The result is calculated. (SC)
I	The result is less than the ssEQL, but equal to or greater than the MDL. (SC)
K	The actual concentration is known to be less than the reported result. (SC)
L	The actual concentration is known to be greater than the reported result. (SC)
Q	The sample was held beyond the normal holding time prior to analysis. (SC)
V	The analyte was detected in both the method blank and the sample. (SC)
Y	The result is from an unpreserved or incorrectly preserved sample; the data may not be accurate. (SC)
A	Compound identification criteria were not met. (EC)
C	LCS or BS criteria were not met. (EC)
D	ICP serial dilution criteria were not met. (EC)
H	Internal standard criteria were not met when the IS was used for quantitation. (EC)
I	Matrix spike recovery was not within the control limits. (EC)
K	A tentatively identified compound is a suspected aldol-condensation product.

	(EC)
L	Initial or continuing calibration criteria were not met. (EC)
O	Surrogate or tracer spike recovery is out of specification. (EC)
P	Graphite furnace atomic absorption QC
	a. Duplicate injection criteria were not met.
	b. Post-digestion spike recovery was not within control limits and the sample absorbance is > 50% of the post-digestion spike absorbance. (EC)
S	The sample was analyzed by the method of standard additions. (EC)
W	Graphite furnace atomic absorption QC: the post-digestion spike recovery is not within control limits and the sample absorbance is < 50% of the post-digestion spike absorbance. (EC)
X	The laboratory duplicate RPD or MS/MSD RPD was not within control limits. (EC)
4	Matrix interference is present. (EC)
5	Matrix spike concentration was < 0.25× the sample concentration, and the percent recovery cannot be determined. (EC)
6	The analyte was detected in both the sample and associated field blank. (EC)
8	The analyte was detected in both the sample and associated trip blank. (EC)
9	The field duplicate RPD was not within control limits. (EC)

Results below Detection

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

Holding Times

Standard analytical methods include a limit, called holding time, on the maximum elapsed time between sample collection and extraction or analysis by the laboratory. In the data tables, a large bullet (•) in the *H* (holding time) column indicates that holding time was exceeded. Analyses performed beyond holding times may not yield valid results.

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

Data Rounding

A constituent result in the analytical results tables that is not marked in the *ST* column but appears to equal an Appendix A standard is below the standard in the database. Values stored in the database contain more significant digits than the reported results. Apparent discrepancies in the tables are due to the rounding of reported results.

Sampling Dates

Samples for field data are collected once each quarter, but samples for analytical data may be collected more than once each quarter. Because the results tables present the highest analytical

results for each quarter, the date of collection for reported analytical results may not coincide with the date of collection for field data.

Table D-1. Constituents Exceeding the Primary Drinking Water Standard

<i>Well</i>	<i>Constituent</i>	<i>Unit</i>	<i>1Q98</i>	<i>2Q98</i>	<i>3Q98</i>	<i>4Q98</i>	<i>Mod</i>
Aquifer Zone IIB₂ (Water Table)							
BGO 3DR	Trichloroethylene	µg/L	NA	250	NA	110	
	Tritium	pCi/mL	NA	9.3E+03	NA	4.0E+03	
BGO 4D	Tritium	pCi/mL	NA	NA	NA	5.6E+01	
BGO 5D	Tritium	pCi/mL	NA	4.9E+03	NA	7.9E+03	
BGO 6D	Tetrachloroethylene	µg/L	NA	16	NA	NA	
	Trichloroethylene	µg/L	NA	130	NA	NA	
	Tritium	pCi/mL	NA	2.0E+03	NA	1.2E+03	
BGO 7D	Trichloroethylene	µg/L	NA	7.0	NA	19	
	Tritium	pCi/mL	NA	4.8E+02	NA	3.6E+02	
BGO 8D	Tritium	pCi/mL	NA	3.6E+02	NA	2.6E+02	
BGO 9D	Tritium	pCi/mL	NA	3.5E+02	NA	3.1E+02	
BGO 10DR	Tritium	pCi/mL	NA	2.3E+01	NA	NA	
BGO 11DR	Tritium	pCi/mL	NA	6.8E+02	NA	1.8E+05	
BGO 14DR	Trichloroethylene	µg/L	NA	20	NA	46	
	Tritium	pCi/mL	NA	7.3E+01	NA	2.2E+02	
BGO 15D	Tetrachloroethylene	µg/L	NA	14	NA	14	
	Trichloroethylene	µg/L	NA	120	NA	200	
	Tritium	pCi/mL	NA	2.7E+03	NA	2.1E+03	
BGO 16D	Trichloroethylene	µg/L	NA	14	NA	6.2	
	Tritium	pCi/mL	NA	5.2E+02	NA	4.6E+02	
BGO 19DR	Tritium	pCi/mL	NA	1.1E+02	NA	1.0E+02	
BGO 20D	Tritium	pCi/mL	NA	2.7E+01	NA	2.7E+01	
BGO 21D	Tritium	pCi/mL	NA	3.1E+01	NA	2.5E+01	
BGO 22DX	Tritium	pCi/mL	NA	2.4E+01	NA	2.3E+01	
BGO 23D	Tritium	pCi/mL	NA	2.2E+01	NA	2.0E+01	
BGO 26D	Trichloroethylene	µg/L	NA	NA	NA	15	
BGO 28D	Chloroethene	µg/L	NA	NA	NA	49	
	Trichloroethylene	µg/L	NA	NA	NA	120	
	Tritium	pCi/mL	NA	NA	NA	2.5E+04	
BGO 30D	Trichloroethylene	µg/L	NA	NA	NA	12	
	Tritium	pCi/mL	NA	NA	NA	1.6E+04	
BGO 31D	Tritium	pCi/mL	NA	NA	NA	1.2E+02	

<i>Well</i>	<i>Constituent</i>	<i>Unit</i>	<i>1Q98</i>	<i>2Q98</i>	<i>3Q98</i>	<i>4Q98</i>	<i>Mod</i>
BGO 32D	Tritium	pCi/mL	NA	NA	NA	1.6E+02	
BGO 33D	Tritium	pCi/mL	NA	NA	NA	2.1E+01	
BGO 35D	Tritium	pCi/mL	NA	NA	NA	6.5E+01	
BGO 37D	Tritium	pCi/mL	NA	NA	NA	2.6E+01	
BGO 38D	Tritium	pCi/mL	NA	NA	NA	2.4E+01	
BGO 39D	Tritium	pCi/mL	NA	NA	NA	5.0E+01	
BGO 44D	Tritium	pCi/mL	NA	NA	NA	5.8E+01	
BGO 46D	Tritium	pCi/mL	NA	NA	NA	2.7E+02	
BGO 47D	Tritium	pCi/mL	NA	NA	NA	2.5E+02	
BGO 48D	Gross alpha	pCi/L	NA	NA	NA	3.5E+01	
	Tritium	pCi/mL	NA	NA	NA	2.9E+02	
BGO 50D	Tritium	pCi/mL	NA	NA	NA	7.6E+02	
BGO 51D	Tritium	pCi/mL	NA	NA	NA	2.8E+01	
BGO 52D	Tritium	pCi/mL	NA	NA	NA	3.2E+01	
BGX 1D	Tritium	pCi/mL	NA	NA	NA	8.5E+03	
FSS 2D	Tritium	pCi/mL	NA	NA	NA	2.6E+02	
FSS 3D	Tritium	pCi/mL	NA	NA	NA	1.3E+02	
BSE 2D067	Tritium	pCi/mL	NA	NA	NA	2.3E+01	
BSE 2D094	Tritium	pCi/mL	NA	NA	NA	2.0E+01	
BSE 3D082	Tritium	pCi/mL	NA	NA	NA	2.7E+01	
BSE 3D095	Tritium	pCi/mL	NA	NA	NA	3.2E+02	

Aquifer Zone IIB₁ (Barnwell/McBean)

BGO 6B	Tritium	pCi/mL	NA	NA	NA	2.3E+01	
BGO 12CX	Trichloroethylene	µg/L	NA	340	NA	190	
	Tritium	pCi/mL	NA	1.5E+03	NA	7.7E+01	
BGO 29C	Tritium	pCi/mL	NA	NA	NA	4.5E+02	
BGX 6D	Tritium	pCi/mL	NA	NA	NA	8.1E+01	
BSE 1C113	Trichloroethylene	µg/L	NA	NA	NA	18	
BSE 1C132	Trichloroethylene	µg/L	NA	NA	NA	14	

<i>Well</i>	<i>Constituent</i>	<i>Unit</i>	<i>1Q98</i>	<i>2Q98</i>	<i>3Q98</i>	<i>4Q98</i>	<i>Mod</i>
BSE 1C144	Trichloroethylene	µg/L	NA	NA	NA	13	
BSE 1C159	Trichloroethylene	µg/L	NA	NA	NA	7.6	
BSE 2C108	Trichloroethylene	µg/L	NA	NA	NA	20	
	Tritium	pCi/mL	NA	NA	NA	1.9E+02	
BSE 2C127	Gross Alpha	pCi/L	NA	NA	NA	2.8E+01	
BSE 2C154	Gross Alpha	pCi/L	NA	NA	NA	2.6E+01	
BSE 3C115	Gross Alpha	pCi/L	NA	NA	NA	1.9E+02	
	Nonvolatile Beta	pCi/L	NA	NA	NA	5.8E+01	
BSE 3C134	Gross Alpha	pCi/L	NA	NA	NA	3.2E+01	
BSE 3C161	Gross Alpha	pCi/L	NA	NA	NA	3.9E+01	
Aquifer Zone IIB₁ (Upper Barnwell/McBean)							
BGO 10B	Tritium	pCi/mL	NA	NA	NA	2.2E+02	
BGO 10C	Tritium	pCi/mL	NA	5.6E+01	NA	NA	
BGO 13DR	Tritium	pCi/mL	NA	6.8E+01	NA	6.1E+01	
BGO 14CR	Trichloroethylene	µg/L	NA	46	NA	51	
	Tritium	pCi/mL	NA	2.0E+02	NA	6.3E+02	
BGO 44C	Tritium	pCi/mL	NA	NA	NA	1.0E+02	
BGO 45C	Tritium	pCi/mL	NA	NA	NA	5.0E+02	
BGO 46C	Trichloroethylene	µg/L	NA	NA	NA	33	
	Tritium	pCi/mL	NA	NA	NA	6.2E+03	
BGO 47C	Tritium	pCi/mL	NA	NA	NA	5.0E+02	
BGO 48C	Tritium	pCi/mL	NA	NA	NA	3.7E+03	
BGO 49C	Tritium	pCi/mL	NA	NA	NA	6.9E+01	
BGO 50C	Trichloroethylene	µg/L	NA	NA	NA	13	
	Tritium	pCi/mL	NA	NA	NA	6.4E+02	
BGO 53C	Trichloroethylene	µg/L	NA	NA	NA	46	
	Tritium	pCi/mL	NA	NA	NA	5.6E+01	
BGX 1C	Tritium	pCi/mL	NA	NA	NA	6.2E+02	
BGX 2D	Trichloroethylene	µg/L	NA	NA	NA	18	
	Tritium	pCi/mL	NA	NA	NA	1.6E+02	
BGX 3D	Tritium	pCi/mL	NA	NA	NA	1.9E+02	

<i>Well</i>	<i>Constituent</i>	<i>Unit</i>	<i>1Q98</i>	<i>2Q98</i>	<i>3Q98</i>	<i>4Q98</i>	<i>Mod</i>
BGX 4D	Tritium	pCi/mL	NA	NA	NA	6.5E+01	
BGX 5D	Tritium	pCi/mL	NA	NA	NA	2.1E+02	
BGX 7D	Tritium	pCi/mL	NA	NA	NA	5.5E+02	
BGX 8DR	Tritium	pCi/mL	NA	NA	NA	3.6E+03	
HMD 1D	Tritium	pCi/mL	NA	NA	NA	5.3E+01	
HMD 3D	Tritium	pCi/mL	NA	NA	NA	4.8E+01	
HMD 4D	Tritium	pCi/mL	NA	NA	NA	3.6E+01	
Aquifer Zone IIB₁ (Lower Barnwell/McBean)							
BGO 5C	Tritium	pCi/mL	NA	5.7E+01	NA	6.3E+01	
BGO 6C	Tritium	pCi/mL	NA	1.1E+03	NA	7.5E+02	
BGO 8C	Tritium	pCi/mL	NA	NA	NA	2.4E+01	
BGO 20B	Strontium-90	pCi/L	NA	1.2E+01	NA	NA	
BGO 27C	Trichloroethylene	µg/L	NA	NA	NA	30	
	Tritium	pCi/mL	NA	NA	NA	2.1E+02	
BGO 30C	Gross alpha	pCi/L	NA ^a	NA	NA	3.7E+01	
	Trichloroethylene	µg/L	NA	NA	NA	18	
	Tritium	pCi/mL	NA	NA	NA	3.0E+03	
BGO 31C	cis-1,2-Dichloroethylene	µg/L	NA	NA	NA	150	
	Tetrachloroethylene	µg/L	NA	NA	NA	9.1	
	Tritium	pCi/mL	NA	NA	NA	8.4E+03	
BGO 33C	Tritium	pCi/mL	NA	1.5E+04	NA	1.5E+04	
BGO 35C	Trichloroethylene	µg/L	NA	NA	NA	16	
	Tritium	pCi/mL	NA	NA	NA	2.4E+02	
BGO 37C	Carbon tetrachloride	µg/L	NA	NA	NA	12	
	Chloroform	µg/L	NA	NA	NA	150	
	1,1-Dichloroethylene	µg/L	NA	NA	NA	30	
	Tetrachloroethylene	µg/L	NA	NA	NA	34	
	Trichloroethylene	µg/L	NA	NA	NA	840	
	Tritium	pCi/mL	NA	NA	NA	2.2E+05	
BGO 44B	Tritium	pCi/mL	NA	NA	NA	3.9E+01	
Aquifer Unit IIA (Upper Congaree)							
BGO 3A	Tritium	pCi/mL	NA	2.2E+02	NA	3.7E+02	
BGO 41A	Gross alpha	pCi/L	NA	NA	NA	1.9E+01	
	Trichloroethylene	µg/L	NA	NA	NA	11	

<i>Well</i>	<i>Constituent</i>	<i>Unit</i>	<i>1Q98</i>	<i>2Q98</i>	<i>3Q98</i>	<i>4Q98</i>	<i>Mod</i>
BGX 1A	Tritium	pCi/mL	NA	NA	NA	4.1E+02	
Aquifer Unit IIA (Lower Congaree)							
BGO 9AA	Gross alpha	pCi/L	NA	NA	NA	1.6E+01	
	Nonvolatile beta	pCi/L	NA	NA	NA	1.5E+02	
BGO 26A	Trichloroethylene	µg/L	NA	NA	NA	8.4	

^aNA = not analyzed or not sampled.

^b- = analyzed but not above the PDWS.

Notes: This table presents the highest value for duplicate/replicate results. The groundwater samples are unfiltered; therefore, the results for metals are for total recoverable metals. Only fourth quarter 1998 modifiers are represented.

Table D-2. Constituents Exceeding the SRS Flag 2 Criteria

<i>Well</i>	<i>Constituent</i>	<i>Unit</i>	<i>4Q98</i>	<i>Mod</i>
Aquifer Zone IIB₂ (Water Table)				
BGO 3DR	Aluminum	µg/L	130	J//
	Carbon-14	pCi/L	3.5E+03	//
	Trichloroethylene	µg/L	110	//
	Tritium	pCi/mL	4.0E+03	//
BGO 4D	Aluminum	µg/L	170	//
	Iron	µg/L	440	//
	Tritium	pCi/mL	5.6E+01	//
BGO 5D	Aluminum	µg/L	57	J//
	Carbon-14	pCi/L	6.5E+03	//
	Tritium	pCi/mL	7.9E+03	//
BGO 6D	Aluminum	µg/L	140	J//
	1,1-Dichloroethylene	µg/L	12	J/Q/
	Iron	µg/L	320	//
	Tetrachloroethylene	µg/L	20	J/Q/
	Total organic halogens	µg/L	300	//
	Trichloroethylene	µg/L	200	J/Q/
	Tritium	pCi/mL	1.2E+03	//
BGO 7D	Trichloroethylene	µg/L	19	//
	Tritium	pCi/mL	3.6E+02	//
BGO 8D	Aluminum	µg/L	71	J//
	Tritium	pCi/mL	2.6E+02	//
BGO 9D	Carbon-14	pCi/L	2.9E+03	//
	Tritium	pCi/mL	3.1E+02	//
BGO 10DR	Carbon-14	pCi/L	3.2E+03	//
BGO 11DR	Carbon-14	pCi/L	1.3E+05	//
	Tritium	pCi/mL	1.8E+05	//
BGO 14DR	Trichloroethylene	µg/L	46	//
	Tritium	pCi/mL	2.2E+02	//
BGO 15D	Tetrachloroethylene	µg/L	14	//
	Total organic halogens	µg/L	320	//
	Trichloroethylene	µg/L	200	//
	Tritium	pCi/mL	2.1E+03	//

Well	Constituent	Unit	4Q98	Mod
BGO 16D	Aluminum	µg/L	170	J/K/I
	Iron	µg/L	710	J/K/I
	Trichloroethylene	µg/L	6.2	//
	Tritium	pCi/mL	4.6E+02	//
BGO 17DR	Aluminum	µg/L	110	J/I
BGO 18D	Aluminum	µg/L	73	J/I/K/I
	Trichlorofluoromethane	µg/L	34	//
BGO 19DR	Tritium	pCi/mL	1.0E+02	//
BGO 20D	Aluminum	µg/L	130	J/I/K/I
	Iron	µg/L	450	J/K/I
	Tritium	pCi/mL	2.7E+01	//
BGO 21D	Aluminum	µg/L	130	J/I
	Iron	µg/L	610	//
	Tritium	pCi/mL	2.5E+01	//
BGO 22DX	Tritium	pCi/mL	2.3E+01	//
BGO 23D	Aluminum	µg/L	240	J/K/I
	Iron	µg/L	710	J/K/I
	Tritium	pCi/mL	2.0E+01	//
BGO 24D	Aluminum	µg/L	630	J/K/I
	Iron	µg/L	440	J/K/I
BGO 26D	Aluminum	µg/L	740	//
	Iron	µg/L	1,300	N/I
	Lead	µg/L	84	//
	Radium, total alpha-emitting	pCi/L	1.5E+01	//
	Trichloroethylene	µg/L	15	//
BGO 27D	Aluminum	µg/L	150	//
	Chloroethene	µg/L	3.2	J/I
	Iron	µg/L	600	//
BGO 28D	Aluminum	µg/L	340	//
	Carbon-14	pCi/L	1.9E+04	//
	Chloroethene	µg/L	49	//
	Iron	µg/L	1,800	J/KV/I
	Total organic halogens	µg/L	430	//
	Trichloroethylene	µg/L	120	//
	Tritium	pCi/mL	2.5E+04	//
BGO 29D	Aluminum	µg/L	210	J/K/I
BGO 30D	Aluminum	µg/L	950	//
	Carbon-14	pCi/L	1.2E+04	//
	Chloroethene	µg/L	8.5	J/I
	1,1-Dichloroethane	µg/L	42	//
	Iron	µg/L	1,100	J/KV/I
	Radium, total alpha-emitting	pCi/L	6.2E+00	//
	Total organic halogens	µg/L	450	//
	Trichloroethylene	µg/L	12	//

Well	Constituent	Unit	4Q98	Mod
BGO 31D	Tritium	pCi/mL	1.6E+04	//
	Aluminum	µg/L	78	J//
	Iron	µg/L	310	//
	Tritium	pCi/mL	1.2E+02	//
BGO 32D	Aluminum	µg/L	600	//
	Iron	µg/L	920	N/
	Lead	µg/L	80	//
	Tritium	pCi/mL	1.6E+02	//
BGO 33D	Aluminum	µg/L	180	//
	Tritium	pCi/mL	2.1E+01	//
BGO 34D	Aluminum	µg/L	100	J//
BGO 35D	Aluminum	µg/L	220	//
	Tritium	pCi/mL	6.5E+01	//
BGO 36D	Aluminum	µg/L	230	//
BGO 37D	Aluminum	µg/L	120	J//
	Tritium	pCi/mL	2.6E+01	//
BGO 38D	Aluminum	µg/L	320	//
	Tritium	pCi/mL	2.4E+01	//
BGO 39D	Aluminum	µg/L	150	//
	Tritium	pCi/mL	5.0E+01	//
BGO 40D	Aluminum	µg/L	220	//
	Iron	µg/L	650	N/
BGO 44D	Tritium	pCi/mL	5.8E+01	//
BGO 46D	Carbon-14	pCi/L	2.5E+04	//
	Chloroethene	µg/L	16	J/Q/
	1,1-Dichloroethane	µg/L	65	J/Q/
	Tetrachloroethylene	µg/L	5.7	J/Q/
	Total organic halogens	µg/L	640	J//
	Trichloroethylene	µg/L	23	J/Q/
	Tritium	pCi/mL	2.7E+02	//
BGO 47D	Aluminum	µg/L	58	J//
	Radium, total alpha-emitting	pCi/L	2.1E+01	//
	Tritium	pCi/mL	2.5E+02	//
BGO 48D	Aluminum	µg/L	170	//
	Carbon-14	pCi/L	2.6E+04	//
	Gross alpha	pCi/L	3.5E+01	//
	Radium, total alpha-emitting	pCi/L	1.1E+01	//
	Tetrachloroethylene	µg/L	19	J/LQ/O
	Total organic halogens	µg/L	260	//
	Trichloroethylene	µg/L	180	J/LQ/O
	Tritium	pCi/mL	2.9E+02	//
BGO 49D	Aluminum	µg/L	170	//
	Iron	µg/L	340	N/

<i>Well</i>	<i>Constituent</i>	<i>Unit</i>	<i>4Q98</i>	<i>Mod</i>
BGO 50D	Aluminum	µg/L	85	J/I/
	Radium, total alpha-emitting	pCi/L	2.4E+01	//
	Tritium	pCi/mL	7.6E+02	//
BGO 51D	Tritium	pCi/mL	2.8E+01	//
BGO 52D	Aluminum	µg/L	220	//
	Iron	µg/L	470	/N/
	Tritium	pCi/mL	3.2E+01	//
BGX 1D	Carbon-14	pCi/L	4.9E+03	//
	Tritium	pCi/mL	8.5E+03	//
BGX 9D	Aluminum	µg/L	69	J/I/
BGX 10D	Aluminum	µg/L	170	//
	Iron	µg/L	500	/N/
BGX 11D	Aluminum	µg/L	390	//
	Iron	µg/L	1,900	/N/
BGX 12D	Aluminum	µg/L	440	//
BSE 2D067	Tritium	pCi/mL	2.3E+01	//
BSE 2D094	Tritium	pCi/mL	2.0E+01	//
BSE 3D082	Tritium	pCi/mL	2.7E+01	//
BSE 3D095	Tritium	pCi/mL	3.2E+02	//
FSS 1D	Aluminum	µg/L	260	//
	Carbon-14	pCi/L	3.5E+03	//
FSS 2D	Aluminum	µg/L	580	//
	Carbon-14	pCi/L	3.0E+03	//
	Dichloromethane	µg/L	5.2	J/KV/O
	Iron	µg/L	920	//
	Tritium	pCi/mL	2.6E+02	//
FSS 3D	Aluminum	µg/L	280	//
	Iron	µg/L	550	/N/
	Tritium	pCi/mL	1.3E+02	//
FSS 4D	Aluminum	µg/L	250	//
	Iron	µg/L	540	//
HSB 85C	Aluminum	µg/L	83	//
Aquifer Zone IIB₁ (Barnwell/McBean)				
BGO 6B	Tritium	pCi/mL	2.3E+01	//
BGO 12CX	Total organic halogens	µg/L	180	//
	Trichloroethylene	µg/L	190	//
	Tritium	pCi/mL	7.7E+01	//
BGO 29C	Tritium	pCi/mL	4.5E+02	//

<i>Well</i>	<i>Constituent</i>	<i>Unit</i>	<i>4Q98</i>	<i>Mod</i>
BGX 6D	Tritium	pCi/mL	8.1E+01	//
BSE 1C113	Trichloroethylene	µg/L	18	//
BSE 1C132	Trichloroethylene	µg/L	14	//
BSE 1C144	Trichloroethylene	µg/L	13	//
BSE 1C159	Trichloroethylene	µg/L	7.6	//
BSE 2C108	Trichloroethylene Tritium	µg/L pCi/mL	20 1.9E+02	//
BSE 2C127	Gross Alpha	pCi/L	2.8E+01	//
BSE 2C154	Gross Alpha	pCi/L	2.6E+01	//
BSE 3C115	Gross Alpha Nonvolatile Beta	pCi/L pCi/L	1.9E+02 5.8E+01	// //
BSE 3C134	Gross Alpha	pCi/L	3.2E+01	//
BSE 3C161	Gross Alpha	pCi/L	3.9E+01	//
Aquifer Zone IIB₁ (Upper Barnwell/McBean)				
BGO 10B	Aluminum Tritium	µg/L pCi/mL	1,200 2.2E+02	N/ //
BGO 10C	Aluminum Iron	µg/L µg/L	100 410	J/K/I J/K/I
BGO 13DR	Carbon-14 Tritium	pCi/L pCi/mL	2.1E+03 6.1E+01	J// //
BGO 14CR	Trichloroethylene Tritium	µg/L pCi/mL	51 6.3E+02	// //
BGO 29C	Aluminum	µg/L	160	J/K/I
BGO 42C	Aluminum Iron Trichloroethylene	µg/L µg/L µg/L	61 550 81	J// N/ J/K/O
BGO 43CR	Aluminum Iron Radium, total alpha-emitting	µg/L µg/L pCi/L	410 920 6.2E+00	// N/ //
BGO 44C	Aluminum Iron Tritium	µg/L µg/L pCi/mL	280 690 1.0E+02	// N/ //
BGO 45C	Aluminum Tritium	µg/L pCi/mL	210 5.0E+02	// //
BGO 46C	Aluminum Carbon-14 Iron	µg/L pCi/L µg/L	210 2.4E+03 1,100	// // N/

<i>Well</i>	<i>Constituent</i>	<i>Unit</i>	<i>4Q98</i>	<i>Mod</i>
	Radium, total alpha-emitting	pCi/L	5.8E+00	J/I/
	Trichloroethylene	µg/L	33	//
	Tritium	pCi/mL	6.2E+03	//
BGO 47C	Tritium	pCi/mL	5.0E+02	//
BGO 48C	Carbon-14	pCi/L	2.9E+03	//
	Trichloroethylene	µg/L	7.1	J/Q/
	Tritium	pCi/mL	3.7E+03	//
BGO 49C	Tritium	pCi/mL	6.9E+01	//
BGO 50C	Aluminum	µg/L	100	J/I/
	Iron	µg/L	950	N/
	Trichloroethylene	µg/L	13	//
	Tritium	pCi/mL	6.4E+02	//
BGO 53C	Trichloroethylene	µg/L	46	//
	Tritium	pCi/mL	5.6E+01	//
BGX 1C	Aluminum	µg/L	440	//
	Tritium	pCi/mL	6.2E+02	//
BGX 2D	Aluminum	µg/L	220	//
	Iron	µg/L	410	//
	Trichloroethylene	µg/L	18	//
	Tritium	pCi/mL	1.6E+02	//
BGX 3D	Aluminum	µg/L	60	J/I/
	Tritium	pCi/mL	1.9E+02	//
BGX 4D	Carbon-14	pCi/L	2.1E+03	J/I/
	Tritium	pCi/mL	6.5E+01	//
BGX 5D	Carbon-14	pCi/L	2.4E+03	//
	Tritium	pCi/mL	2.1E+02	//
BGX 7D	Carbon-14	pCi/L	3.3E+03	//
	Tritium	pCi/mL	5.5E+02	//
BGX 8DR	Aluminum	µg/L	110	J/I/
	Carbon-14	pCi/L	2.7E+03	//
	Tritium	pCi/mL	3.6E+03	//
BGX 12C	Carbon-14	pCi/L	2.6E+03	//
HMD 1D	Aluminum	µg/L	240	//
	Iron	µg/L	540	//
	Tritium	pCi/mL	5.3E+01	//
HMD 2D	Aluminum	µg/L	52	J/I/
HMD 3D	Aluminum	µg/L	110	J/I/
	Tritium	pCi/mL	4.8E+01	//
HMD 4D	Aluminum	µg/L	130	J/I/
	Carbon-14	pCi/L	2.3E+03	//
	Iron	µg/L	550	//
	Tritium	pCi/mL	3.6E+01	//

Well	Constituent	Unit	4Q98	Mod
Aquifer Zone IIB₁ (Lower Barnwell/McBean)				
BGO 5C	Aluminum	µg/L	1,100	//
	Iron	µg/L	440	N//
	Tritium	pCi/mL	6.3E+01	//
BGO 6C	Tritium	pCi/mL	7.5E+02	//
BGO 8C	Aluminum	µg/L	68	J//
	Tritium	pCi/mL	2.4E+01	//
BGO 27C	Aluminum	µg/L	390	//
	Trichloroethylene	µg/L	30	//
	Tritium	pCi/mL	2.1E+02	//
BGO 30C	Aluminum	µg/L	1,900	//
	Carbon-14	pCi/L	2.1E+03	//
	Gross alpha	pCi/L	3.7E+01	//
	Iron	µg/L	5,000	N//
	Radium, total alpha-emitting	pCi/L	3.1E+01	//
	Trichloroethylene	µg/L	18	//
	Tritium	pCi/mL	3.0E+03	//
BGO 31C	Aluminum	µg/L	130	J//
	Carbon-14	pCi/L	6.6E+03	//
	cis-1,2-Dichloroethylene	µg/L	150	//
	Tetrachloroethylene	µg/L	9.1	//
	Total organic halogens	µg/L	130	//
	Tritium	pCi/mL	8.4E+03	//
BGO 33C	Aluminum	µg/L	58	J//
	Carbon-14	pCi/L	1.1E+04	//
	Mercury	µg/L	5.1	//
	Total organic halogens	µg/L	250	//
	Trichloroethylene	µg/L	32	J/Q//
	Tritium	pCi/mL	1.5E+04	//
BGO 35C	Trichloroethylene	µg/L	16	//
	Tritium	pCi/mL	2.4E+02	//
BGO 37C	Aluminum	µg/L	72	//
	Carbon tetrachloride	µg/L	12	//
	Chloroethene	µg/L	11	J//K/O
	Chloroform	µg/L	150	//
	1,1-Dichloroethane	µg/L	75	J//K/O
	1,1-Dichloroethylene	µg/L	30	//
	Tetrachloroethylene	µg/L	34	//
	Total organic halogens	µg/L	2,000	//
	Trichloroethylene	µg/L	840	//
	Tritium	pCi/mL	2.2E+05	//
BGO 44B	Aluminum	µg/L	70	J//
	Tritium	pCi/mL	3.9E+01	//
BGO 45B	Aluminum	µg/L	71	J//

<i>Well</i>	<i>Constituent</i>	<i>Unit</i>	<i>4Q98</i>	<i>Mod</i>
BGO 52B	Aluminum	µg/L	170	//
BGX 2B	Aluminum	µg/L	210	//
HSB 85B	Aluminum	µg/L	2,600	//
	pH	pH	11	J/Q/
Aquifer Unit IIA (Upper Congaree)				
BGO 3A	Aluminum	µg/L	62	J/I/
	Tritium	pCi/mL	3.7E+02	//
BGO 8AR	Aluminum	µg/L	120	J/I/
BGO 14AR	Aluminum	µg/L	320	J/K/I
BGO 20A	Aluminum	µg/L	51	J/IK/I
BGO 25A	Aluminum	µg/L	56	J/IK/I
BGO 29A	Aluminum	µg/L	2,800	J/K/I
BGO 41A	Aluminum	µg/L	410	//
	Gross alpha	pCi/L	1.9E+01	//
	Radium, total alpha-emitting	pCi/L	8.3E+00	//
	Trichloroethylene	µg/L	11	//
BGO 43A	Aluminum	µg/L	790	//
	Lithium	µg/L	290	//
	Radium, total alpha-emitting	pCi/L	1.2E+01	J/I/
BGO 47A	Aluminum	µg/L	360	//
BGO 49A	Aluminum	µg/L	620	//
BGO 50A	Aluminum	µg/L	1,300	//
	Lithium	µg/L	400	N/
WELL BGX 1A	Aluminum	µg/L	1,300	J/K/I
	Tritium	pCi/mL	4.1E+02	//
Aquifer Unit IIA (Middle Congaree)				
BGO 26A	Aluminum	µg/L	730	//
	Radium, total alpha-emitting	pCi/L	7.9E+00	J/I/
	Trichloroethylene	µg/L	8.4	//
Aquifer Unit IIA (Lower Congaree)				
BGO 9AA	Aluminum	µg/L	510	N/
	Gross alpha	pCi/L	1.6E+01	//
	Lithium	µg/L	2,300	//
	Nonvolatile beta	pCi/L	1.5E+02	//

<i>Well</i>	<i>Constituent</i>	<i>Unit</i>	<i>4Q98</i>	<i>Mod</i>
	Radium, total alpha-emitting	pCi/L	8.1E+00	//
BGO 44AA	Aluminum	µg/L	480	//
BGO 51AA	Iron	µg/L	500	/N/
BGO 52AA	Iron	µg/L	430	/N/

Notes: This table presents the highest value for duplicate/replicate results. The groundwater samples are unfiltered; therefore, the results for metals are for total recoverable metals. Flags are established by EPD/EMS and are based on final PDWS, Secondary Drinking Water Standards, or method detection limits (see Appendix B).

**Table D-3. Groundwater Monitoring Results for Individual Wells
WELL BGO 1D**

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone									
N73737.9 E58779.3	33.284765 °N 81.655257 °W	245.0-225.0 ft msl	295.1 ft msl	4" PVC	S	Water Table (IIB2)									
SAMPLE DATE	05/05/98		11/06/98												
FIELD DATA															
Constituents	2Q98		4Q98	Unit											
Water elevation	241.9		241.9	ft msl											
pH	3.8		4.5	pH											
Sp. conductance	45		40	µS/cm											
Water temperature	26.4		20.9	°C											
Alkalinity as CaCO ₃	0		0	mg/L											
Turbidity	13		10	NTU											
Volumes purged	0.27		2.4	Well vol											
Sampling code	XN														
ANALYTICAL DATA															
Analyte	2Q98	Mod	Fill	S	H	DF	Lab	4Q98	Mod	Fill	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	<6,700	U//	<6,700			1	WA	<6,700	U//	<6,700			1	WA	µg/L
Aluminum, total recoverable								<140	U//	<150			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	23	N//				1	WA	13	//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Boron, total recoverable	<270	U//	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	JU/Q/	<10	●		1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Carbon-14	<-3.7E+01	U//	<-1.9E+02			1	TM	1.3E+03	R//4	NDD			1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	JU/Q/	<10	●		1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	JU/Q/	<10	●		1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	JU/Q/	<10	●		1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	1.8	J//Q/	NDD	●		1	WA	µg/L
Chromium, total recoverable	3.9	J/E/	NDD			1	WA	0.93	J//	NDD			1	WA	µg/L
Copper, total recoverable	48	//				1	WA	25	//				1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
trans-1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Dichloromethane	<2.6	U//	<5.0			1	WA	<5.4	JU/QV/	<5.0	●		1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Gross alpha	3.7E+00	//				1	TM	2.1E+00	J//	NDD			1	TM	pCi/L
Iron, total recoverable								110	N//				1	WA	µg/L
Lead, total recoverable	12	J/E/	NDD			1	WA	5.9	J//	NDD			1	WA	µg/L
Lithium, total recoverable	<1.5	U//	<2.7			1	WA	1.2	J//	NDD			1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	96	//				1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	<-5.0E-02	U//	<2.9E+00			1	TM	2.1E+00	J//	NDD			1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	U//	<37			1	WA	µg/L
Radium, total alpha-emitting	<3.4E-01	U//	<6.7E-01			1	TM	2.0E+00	J//	NDD			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<0.72	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<0.0E+00	U//	<-1.4E+00			1	TM	<-4.1E-01	U//	<-1.4E+00			1	TM	pCi/L
Sulfate	580	//				1	WA	500	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Total dissolved solids	27,000	J/EQ/	NDD	●		1	WA	22,000	J//Q/	NDD	●		1	WA	µg/L
Total organic carbon	4,500	N//				1	WA	1,100	//				1	WA	µg/L
Total organic halogens	<120	U//	<120	●		1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Tritium	1.3E+01	//				1	TM	1.3E+01	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Zinc, total recoverable	70	//				1	WA	73	//				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 2D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N74552.9 E58809.7	33.286617 °N 81.656760 °W	238.9-218.9 ft msl	296.9 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation			ft msl
pH			pH
Sp. conductance			µS/cm
Water temperature			°C
Alkalinity as CaCO3			mg/L
Turbidity			NTU
Volumes purged			Well vol
Sampling code			

Notes: Radionuclide results in italics are less than sample quantitation limit.
 ● = exceeded holding time.
 ■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 3A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75561.7 E58806.8	33.288844 °N 81.658727 °W	113.7-103.7 ft msl	291.9 ft msl	2" PVC	V	U. Congaree (IIA)

SAMPLE DATE	05/05/98	11/10/98
-------------	----------	----------

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	164.0	163.1	ft msl
pH	5.7	6.3	pH
Sp. conductance	100	100	µS/cm
Water temperature	22.1	22.5	°C
Alkalinity as CaCO ₃	44	38	mg/L
Turbidity	1	1	NTU
Volumes purged	3.6	2.1	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	49,000	//				1	WA	30,000	//				1	WA	µg/L
Aluminum, total recoverable						1	WA	62	J/I	NDD			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	84	N//				1	WA	82	//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	<270	U//	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<9.9E+01	U//	<1.9E+02			1	TM	3.8E+02	R//4	NDD			1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	2.4	J/E/	NDD			1	WA	3.3	J/I	NDD			1	WA	µg/L
Copper, total recoverable	19	//				1	WA	4.3	J/I	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<2.8	U/N/	<5.0			1	WA	<4.5	U/N/	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	1.2E+00	//				1	TM	1.4E+00	J/I	NDD			1	TM	pCi/L
Iron, total recoverable								99	//				1	WA	µg/L
Lead, total recoverable	<47	U//	<47			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	<3.1	U/N/	<2.7			1	WA	4.1	//				1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	120	//				1	WA	3.2	J/I	NDD			1	WA	µg/L
Nonvolatile beta	<3.3E-01	U//	<1.6E+00			1	TM	<9.5E-01	U//	<1.7E+00			1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	JU/Q/	<37			1	WA	µg/L
Radium, total alpha-emitting	<4.0E-01	U//	<6.7E-01			1	TM	<3.4E-01	U//	<8.3E-01			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<4.9E-01	U//	<1.2E+00			1	TM	<2.3E-01	U//	<1.2E+00			1	TM	pCi/L
Sulfate	5,500	//				1	WA	5,700	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	86,000	J/Q/	NDD			1	WA	100,000	J/Q/	NDD			1	WA	µg/L
Total organic carbon	18,000	N/				1	WA	310	J/I	NDD			1	WA	µg/L
Total organic halogens	<120	U//	<120			1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	2.3	J/E/O/2	NDD			1	WA	2.9	J/I	NDD			1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tritium	2.2E+02	//				1	TM	3.7E+02	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	7.0	J/E/	NDD			1	WA	<53	U//	<53			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 3C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75550.4 E58806.4	33.288818 °N 81.658706 °W	188.7-178.7 ft msl	291.9 ft msl	2" PVC	V	Barnwell (IIB ₁)

SAMPLE DATE 04/28/98 12/09/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	226.8	229.0	ft msl
pH		5.8	pH
Sp. conductance		30	µS/cm
Water temperature		20.6	°C
Alkalinity as CaCO ₃		3	mg/L
Turbidity		1.0	NTU
Volumes purged		2.4	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								3,600	J//	NDD				1	WA µg/L
Aluminum, total recoverable								19	J//	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								6.9	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<-1.6E+01	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								3.2	J//	NDD				1	WA µg/L
Copper, total recoverable								4.7	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<2.4	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								<0.0E+00	U//	<1.4E+00				1	TM pCi/L
Iron, total recoverable								160	//					1	WA µg/L
Lead, total recoverable								7.2	J//	NDD				1	WA µg/L
Lithium, total recoverable								2.0	J//	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								<-4.8E-01	U//	<1.5E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<1.1E+00	U//	<1.3E+00				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<-3.5E-01	U//	<1.3E+00				1	TM pCi/L
Sulfate								1,000	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								20,000	J//	NDD				1	WA µg/L
Total organic carbon								590	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								1.0E+01	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								<53	U//	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 3DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75512.3 E58820.0	33.288756 °N 81.658596 °W	237.6-217 ft msl	291.5 ft msl	2" PVC	V	Water Table (IIB2)

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

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	231.8	232.1	ft msl
pH	4.2	4.6	pH
Sp. conductance	32	30	µS/cm
Water temperature	21.0	20.5	°C
Alkalinity as CaCO3	0	0	mg/L
Turbidity	1	1.9	NTU
Volumes purged	17	10.9	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Acenaphthene								<10	JU/Q/	<10				1	WA	µg/L
Acenaphthylene								<10	JU/Q/	<10				1	WA	µg/L
Acetone								<4.7	U//	<20				2	WA	µg/L
Acetonitrile (Methyl cyanide)								<40	U//	<40				2	WA	µg/L
Acetophenone								<10	JU/Q/	<10				1	WA	µg/L
2-Acetylaminofluorene								<10	JU/Q/	<10				1	WA	µg/L
Acrolein								<40	U//	<40				2	WA	µg/L
Acrylonitrile								<10	U//	<10				2	WA	µg/L
Actinium-228								<-6.6E+00	U//	<2.7E+01				1	TM	pCi/L
Aldrin								<0.051	U//	<0.051				1	WA	µg/L
Alkalinity (as CaCO3)	<6,700	U//	<6,700			1	WA	<13,000	U//	<130				1	WA	µg/L
Allyl chloride								<20	U//	<20				2	WA	µg/L
Aluminum, total recoverable								130	J//	NDD				1	WA	µg/L
Americium-241/Curium-246								<1.3E-01	U//	<5.0E-01				1	TM	pCi/L
4-Aminobiphenyl								<10	JU/Q/	<10				1	WA	µg/L
Aniline								<10	JU/Q/	<10				1	WA	µg/L
Anthracene								<10	JU/Q/	<10				1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27				1	WA	µg/L
Antimony-124								<4.1E-01	U//	<7.3E+00				1	TM	pCi/L
Antimony-125								<8.4E-01	U//	<1.7E+01				1	TM	pCi/L
Aramite								<20	JU/Q/	<20				1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40				1	WA	µg/L
Barium, total recoverable	16	N//				1	WA	16	N//					1	WA	µg/L
Barium-133								<-6.5E-01	U//	<7.6E+00				1	TM	pCi/L
Benzene	<10	U//	<10			2	WA	<10	U//	<10				2	WA	µg/L
alpha-Benzene hexachloride								<0.051	U//	<0.051				1	WA	µg/L
beta-Benzene hexachloride								<0.051	U//	<0.051				1	WA	µg/L
delta-Benzene hexachloride								<0.051	U//	<0.051				1	WA	µg/L
Benzo(a)anthracene								<10	JU/Q/	<10				1	WA	µg/L
Benzo(b)fluoranthene								<10	JU/Q/	<10				1	WA	µg/L
Benzo(k)fluoranthene								<10	JU/Q/	<10				1	WA	µg/L
Benzoic acid								<26	JU/Q/	<26				1	WA	µg/L
Benzo(g,h,i)perylene								<10	JU/Q/	<10				1	WA	µg/L
Benzo(a)pyrene								<10	JU/Q/	<10				1	WA	µg/L
Benzyl alcohol								<10	JU/Q/	<10				1	WA	µg/L
Beryllium, total recoverable								<1.6	U//	<1.6				1	WA	µg/L
Bis(2-chloroethoxy) methane								<10	JU/Q/	<10				1	WA	µg/L
Bis(2-chloroethyl) ether								<10	JU/Q/	<10				1	WA	µg/L
Bis(2-chloroisopropyl) ether								<10	JU/Q/	<10				1	WA	µg/L
Bis(2-ethylhexyl) phthalate								<6.4	JU/QV/	<10				1	WA	µg/L
Boron, total recoverable	<270	U//	<270			1	WA	<270	U//	<270				1	WA	µg/L
Bromodichloromethane	<10	U//	<10			2	WA	<10	U//	<10				2	WA	µg/L
Bromoform	<10	U//	<10			2	WA	<10	U//	<10				2	WA	µg/L
Bromomethane (Methyl bromide)<20		U//	<20			2	WA	<20	U//	<20				2	WA	µg/L
4-Bromophenyl phenyl ether								<10	JU/Q/	<10				1	WA	µg/L
Butylbenzyl phthalate								<10	JU/Q/	<10				1	WA	µg/L
2-sec-Butyl-4,6-dinitrophenol								<51	JU/Q/	<51				1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7				1	WA	µg/L
Carbon disulfide								<10	U//	<10				2	WA	µg/L
Carbon tetrachloride	<10	U//	<10			2	WA	<10	U//	<10				2	WA	µg/L
Carbon-14	6.1E+03	//				1	TM	3.5E+03	R//4					1	TM	pCi/L
Cerium-144								<-7.8E+00	U//	<3.6E+01				1	TM	pCi/L
Cesium-134								<-3.4E-01	U//	<6.8E+00				1	TM	pCi/L
Cesium-137								<-1.1E-01	U//	<7.2E+00				1	TM	pCi/L
alpha-Chlordane								<0.051	U//	<0.051				1	WA	µg/L
gamma-Chlordane								<0.051	U//	<0.051				1	WA	µg/L
4-Chloroaniline	<10	U//	<10			2	WA	<10	JU/Q/	<10				1	WA	µg/L
Chlorobenzene								<10	U//	<10				2	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 3DR (cont.)

Analyte	2Q98	Mod	Filt	S	H	DF	Lab	4Q98	Mod	Filt	S	H	DF	Lab	Unit
Chlorobenzilate								<10	JU/Q/	<10	●	1		WA	µg/L
4-Chloro-m-cresol								<10	JU/Q/	<10	●	1		WA	µg/L
Chloroethane	<20	U//	<20			2	WA	<20	U//	<20			2	WA	µg/L
Chloroethene (Vinyl chloride)	<20	U//	<20			2	WA	<20	U//	<20			2	WA	µg/L
2-Chloroethyl vinyl ether	<20	U//	<20			2	WA	<20	U//	<20			2	WA	µg/L
Chloroform	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
Chloromethane (Methyl chloride)	<20	U//	<20			2	WA	<20	U//	<20			2	WA	µg/L
2-Chloronaphthalene								<10	JU/Q/	<10	●	1		WA	µg/L
2-Chlorophenol								<10	JU/Q/	<10	●	1		WA	µg/L
4-Chlorophenyl phenyl ether								<10	JU/Q/	<10	●	1		WA	µg/L
Chloroprene								<10	U//	<10			2	WA	µg/L
Chromium, total recoverable	7.4	N//				1	WA	2.1	J//	NDD			1	WA	µg/L
Chrysene								<10	JU/Q/	<10	●	1		WA	µg/L
Cobalt, total recoverable								1.0	J//	NDD			1	WA	µg/L
Cobalt-57								<1.0E+00	U//	<4.5E+00			1	TM	pCi/L
Cobalt-58								<1.6E-01	U//	<7.5E+00			1	TM	pCi/L
Cobalt-60								<1.1E+00	U//	<7.7E+00			1	TM	pCi/L
Copper, total recoverable	21	N//				1	WA	8.2	J//	NDD			1	WA	µg/L
m-Cresol (3-Methylphenol)								<10	JU/Q/	<10	●	1		WA	µg/L
o-Cresol (2-Methylphenol)								<10	JU/Q/	<10	●	1		WA	µg/L
p-Cresol (4-Methylphenol)								<10	JU/Q/	<10	●	1		WA	µg/L
Curium-242								<1.0E-02	U//	<2.5E-01			1	TM	pCi/L
Curium-243/244								<1.1E-01	U//	<3.7E-01			1	TM	pCi/L
Cyanide								<15	U//	<15			1	WA	µg/L
p,p'-DDD								<0.10	U//	<0.10			1	WA	µg/L
p,p'-DDE								<0.10	U//	<0.10			1	WA	µg/L
p,p'-DDT								<0.10	U//	<0.10			1	WA	µg/L
Diallate								<10	JU/Q/	<10	●	1		WA	µg/L
Dibenz(a,h)anthracene								<10	JU/Q/	<10	●	1		WA	µg/L
Dibenzofuran								<10	JU/Q/	<10	●	1		WA	µg/L
Dibromochloromethane	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
1,2-Dibromo-3-chloropropane								<10	U//	<10			2	WA	µg/L
1,2-Dibromoethane								<10	U//	<10			2	WA	µg/L
Dibromomethane (Methylene bromide)								<10	U//	<10			2	WA	µg/L
Di-n-butyl phthalate								0.99	J//Q/	NDD	●	1		WA	µg/L
1,2-Dichlorobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
1,3-Dichlorobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
1,4-Dichlorobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
3,3'-Dichlorobenzidine								<10	JU/Q/	<10	●	1		WA	µg/L
trans-1,4-Dichloro-2-butene								<40	U//	<40			2	WA	µg/L
Dichlorodifluoromethane								<20	U//	<20			2	WA	µg/L
1,1-Dichloroethane	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
1,2-Dichloroethane	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
1,1-Dichloroethylene	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
1,2-Dichloroethylene	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
cis-1,2-Dichloroethylene								19	//				2	WA	µg/L
trans-1,2-Dichloroethylene								<10	U//	<10			2	WA	µg/L
Dichloromethane	<8.6	U//	<10			2	WA	2.8	J//	NDD			2	WA	µg/L
2,4-Dichlorophenol								<10	JU/Q/	<10	●	1		WA	µg/L
2,6-Dichlorophenol								<10	JU/Q/	<10	●	1		WA	µg/L
2,4-Dichlorophenoxyacetic acid								<1.0	U//	<1.0			1	WA	µg/L
1,2-Dichloropropane	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
cis-1,3-Dichloropropene	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
trans-1,3-Dichloropropene	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
Dieldrin								<0.10	U//	<0.10			1	WA	µg/L
Diethyl phthalate								<10	JU/Q/	<10	●	1		WA	µg/L
Dimethoate								<0.51	U//	<0.51			1	WA	µg/L
2,4-Dimethyl phenol								<10	JU/Q/	<10	●	1		WA	µg/L
Dimethyl phthalate								<10	JU/Q/	<10	●	1		WA	µg/L
p-Dimethylaminoazobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
7,12-Dimethylbenz(a)anthracene								<10	JU/Q/	<10	●	1		WA	µg/L
3,3'-Dimethylbenzidine								<10	JU/Q/	<10	●	1		WA	µg/L
a,a-Dimethylphenethylamine								<10	JU/Q/	<10	●	1		WA	µg/L
1,3-Dinitrobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
2,4-Dinitrophenol								<26	JU/Q/	<26	●	1		WA	µg/L
2,4-Dinitrotoluene								<10	JU/Q/	<10	●	1		WA	µg/L
2,6-Dinitrotoluene								<10	JU/Q/	<10	●	1		WA	µg/L
Di-n-octyl phthalate								<10	JU/Q/	<10	●	1		WA	µg/L
1,4-Dioxane								<10	JU/Q/	<10	●	1		WA	µg/L
Diphenylamine								<10	JU/Q/	<10	●	1		WA	µg/L
Disulfoton								<0.51	U//	<0.51			1	WA	µg/L
Endosulfan sulfate								<0.10	U//	<0.10			1	WA	µg/L
Endosulfan I								<0.051	U//	<0.051			1	WA	µg/L
Endosulfan II								<0.10	U//	<0.10			1	WA	µg/L
Endrin								<0.10	U//	<0.10			1	WA	µg/L
Endrin aldehyde								<0.10	U//	<0.10			1	WA	µg/L
Ethyl methacrylate								<10	JU/Q/	<10	●	1		WA	µg/L
Ethyl methanesulfonate								<10	JU/Q/	<10	●	1		WA	µg/L
Ethylbenzene	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
Europium-152								<1.1E+01	U//	<5.3E+01			1	TM	pCi/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 3DR (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Europium-154								<-8.0E+00	U//	<1.8E+01			1	TM	pCi/L
Europium-155								<-3.0E+00	U//	<1.2E+01			1	TM	pCi/L
Famphur								<1.3	U//	<1.3			1	WA	µg/L
Fluoranthene								<10	JU/Q/	<10	●		1	WA	µg/L
Fluorene								<10	JU/Q/	<10	●		1	WA	µg/L
Gross alpha	5.5E+00	//				1	TM	4.0E+00	//				1	TM	pCi/L
Heptachlor								<0.051	U//	<0.051			1	WA	µg/L
Heptachlor epoxide								<0.051	U//	<0.051			1	WA	µg/L
Hexachlorobenzene								<10	JU/Q/	<10	●		1	WA	µg/L
Hexachlorobutadiene								<10	JU/Q/	<10	●		1	WA	µg/L
Hexachlorocyclopentadiene								<10	JU/Q/	<10	●		1	WA	µg/L
Hexachlorodibenzo-p-dioxins								<1.7E-04	U//	<1.7E-04			1	WA	µg/L
Hexachlorodibenzo-p-furans								<1.3E-04	U//	<1.3E-04			1	WA	µg/L
Hexachloroethane								<10	JU/Q/	<10	●		1	WA	µg/L
Hexachlorophene								<100	JU/Q/	<100	●		1	WA	µg/L
Hexachloropropene								<10	JU/Q/	<10	●		1	WA	µg/L
2-Hexanone								<20	U//	<20			2	WA	µg/L
Indeno(1,2,3-c,d)pyrene								<10	JU/Q/	<10	●		1	WA	µg/L
Iodomethane (Methyl iodide)								<10	U//	<10			2	WA	µg/L
Iron, total recoverable								<38	U//	<74			1	WA	µg/L
Isobutyl alcohol								<200	U//	<200			2	WA	µg/L
Isodrin								<0.10	U//	<0.10			1	WA	µg/L
Isophorone								<10	JU/Q/	<10	●		1	WA	µg/L
Isosafrole								<10	JU/Q/	<10	●		1	WA	µg/L
Kepone								<0.51	U//	<0.51			1	WA	µg/L
Lead, total recoverable	<47	U//	<47			1	WA	<47	U//	<47			1	WA	µg/L
Lead-212								1.3E+01	J//	NDD			1	TM	pCi/L
Lindane								<0.051	U//	<0.051			1	WA	µg/L
Lithium, total recoverable	<0.92	U//	<2.7			1	WA	0.69	J//	NDD			1	WA	µg/L
Manganese-54								<-5.9E-01	U//	<6.9E+00			1	TM	pCi/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Methacrylonitrile								<20	U//	<20			2	WA	µg/L
Methacrylonitrile								<10	JU/Q/	<10	●		1	WA	µg/L
Methoxychlor								<0.51	U//	<0.51			1	WA	µg/L
2-Methyl-4,6-dinitrophenol								<26	JU/Q/	<26	●		1	WA	µg/L
Methyl ethyl ketone								<20	U//	<20			2	WA	µg/L
Methyl isobutyl ketone								<20	U//	<20			2	WA	µg/L
Methyl methacrylate								<10	JU/Q/	<10	●		1	WA	µg/L
Methyl methanesulfonate								<10	JU/Q/	<10	●		1	WA	µg/L
3-Methylcholanthrene								<10	JU/Q/	<10	●		1	WA	µg/L
2-Methylnaphthalene								<10	JU/Q/	<10	●		1	WA	µg/L
Naphthalene								<10	JU/Q/	<10	●		1	WA	µg/L
1,4-Naphthoquinone								<10	JU/Q/	<10	●		1	WA	µg/L
1-Naphthylamine								<10	JU/Q/	<10	●		1	WA	µg/L
2-Naphthylamine								<10	JU/Q/	<10	●		1	WA	µg/L
Neptunium-237								<8.0E-02	U//	<2.7E-01			1	TM	pCi/L
Neptunium-239								<2.1E+01	U//	<1.7E+02			1	TM	pCi/L
Nickel, total recoverable	130	//				1	WA	<26	U//	<26			1	WA	µg/L
m-Nitroaniline								<26	JU/Q/	<26	●		1	WA	µg/L
o-Nitroaniline								<26	JU/Q/	<26	●		1	WA	µg/L
p-Nitroaniline								<26	JU/Q/	<26	●		1	WA	µg/L
Nitrobenzene								<10	JU/Q/	<10	●		1	WA	µg/L
2-Nitrophenol								<10	JU/Q/	<10	●		1	WA	µg/L
4-Nitrophenol								<26	JU/Q/	<26	●		1	WA	µg/L
4-Nitroquinoline-1-oxide								<20	JU/Q/	<20	●		1	WA	µg/L
N-Nitrosodi-n-butylamine								<10	JU/Q/	<10	●		1	WA	µg/L
N-Nitrosodiethylamine								<10	JU/Q/	<10	●		1	WA	µg/L
N-Nitrosodimethylamine								<10	JU/Q/	<10	●		1	WA	µg/L
N-Nitrosodiphenylamine								<10	JU/Q/	<10	●		1	WA	µg/L
N-Nitrosodipropylamine								<10	JU/Q/	<10	●		1	WA	µg/L
N-Nitrosomethylethylamine								<10	JU/Q/	<10	●		1	WA	µg/L
N-Nitrosomorpholine								<10	JU/Q/	<10	●		1	WA	µg/L
N-Nitrosopiperidine								<51	JU/Q/	<51	●		1	WA	µg/L
N-Nitrosopyrrolidine								<10	JU/Q/	<10	●		1	WA	µg/L
5-Nitro-o-toluidine								<10	JU/Q/	<10	●		1	WA	µg/L
Nonvolatile beta	4.8E+00	//				1	TM	2.3E+00	J//	NDD			1	TM	pCi/L
Parathion ethyl								<0.51	U//	<0.51			1	WA	µg/L
Parathion methyl								<0.51	U//	<0.51			1	WA	µg/L
PCB 1016								<1.0	U//	<1.0			1	WA	µg/L
PCB 1221								<2.0	U//	<2.0			1	WA	µg/L
PCB 1232								<1.0	U//	<1.0			1	WA	µg/L
PCB 1242								<1.0	U//	<1.0			1	WA	µg/L
PCB 1248								<1.0	U//	<1.0			1	WA	µg/L
PCB 1254								<1.0	U//	<1.0			1	WA	µg/L
PCB 1260								<1.0	U//	<1.0			1	WA	µg/L
Pentachlorobenzene								<10	JU/Q/	<10	●		1	WA	µg/L
Pentachlorodibenzo-p-dioxins								<1.5E-04	U//	<1.5E-04			1	WA	µg/L
Pentachloroethane								<10	JU/Q/	<10	●		1	WA	µg/L
Pentachloronitrobenzene								<51	JU/Q/	<51	●		1	WA	µg/L
Pentachlorophenol								<26	JU/Q/	<26	●		1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 3DR (cont.)

Analyte	2Q98	Mod	Filt	S	H	DF	Lab	4Q98	Mod	Filt	S	H	DF	Lab	Unit
Phenacetin								<10	JU/Q/	<10	●	1		WA	µg/L
Phenanthrene								<10	JU/Q/	<10	●	1		WA	µg/L
Phenol								<10	JU/Q/	<10	●	1		WA	µg/L
Phenols	<36	U//	<36			1	WA	<37	U//	<37		1		WA	µg/L
p-Phenylenediamine								<10	JU/Q/	<10	●	1		WA	µg/L
Phorate								<1.0	U//	<1.0		1		WA	µg/L
2-Picoline								<10	JU/Q/	<10	●	1		WA	µg/L
Plutonium-238								7.1E-01	J//	NDD		1		TM	pCi/L
Plutonium-239/240								<7.0E-02	U//	<1.8E-01		1		TM	pCi/L
Potassium-40								<4.1E+00	U//	<9.3E+01		1		TM	pCi/L
Promethium-144								<1.0E+00	U//	<6.6E+00		1		TM	pCi/L
Promethium-146								<4.9E+00	U//	<1.4E+01		1		TM	pCi/L
Pronamid								<10	JU/Q/	<10	●	1		WA	µg/L
Propionitrile								<100	U//	<100		2		WA	µg/L
Pyrene								<10	JU/Q/	<10	●	1		WA	µg/L
Pyridine								<10	JU/Q/	<10	●	1		WA	µg/L
Radium, total alpha-emitting	1.1E+00	J/O/2	NDD			1	TM	2.6E+00	J//	NDD		1		TM	pCi/L
Ruthenium-106								<1.2E+01	U//	<6.1E+01		1		TM	pCi/L
Safrole								<10	JU/Q/	<10	●	1		WA	µg/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66		1		WA	µg/L
Silver, total recoverable	<3.5	U/N/	<5.0			1	WA	<1.0	U/N/	<5.0		1		WA	µg/L
Sodium-22								<2.9E+00	U//	<6.5E+00		1		TM	pCi/L
Strontium-90	<4.0E-02	U//	<1.5E+00			1	TM	<5.6E-01	U//	<1.4E+00		1		TM	pCi/L
Styrene								<10	U//	<10		2		WA	µg/L
Sulfate	670	J/IQ/2	NDD	●		1	WA	360	//			1		WA	µg/L
Sulfide								<10,000	JU/Q/	<100	●	1		WA	µg/L
Sulfotep								<1.0	U//	<1.0		1		WA	µg/L
2,4,5-T								<0.50	U//	<0.50		1		WA	µg/L
2,3,7,8-TCDD								<1.4E-04	U//	<1.4E-04		1		WA	µg/L
1,2,4,5-Tetrachlorobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
Tetrachlorodibenzo-p-dioxins								<1.4E-04	U//	<1.4E-04		1		WA	µg/L
Tetrachlorodibenzo-p-furans								<5.0E-05	U//	<5.0E-05		1		WA	µg/L
1,1,1,2-Tetrachloroethane								<10	U//	<10		2		WA	µg/L
1,1,2,2-Tetrachloroethane	<10	U//	<10			2	WA	<10	U//	<10		2		WA	µg/L
Tetrachloroethylene	<10	U//	<10			2	WA	<10	U//	<10		2		WA	µg/L
2,3,4,6-Tetrachlorophenol								<10	JU/Q/	<10	●	1		WA	µg/L
Thallium, total recoverable								<55	U//	<55		1		WA	µg/L
Thionazin								<0.51	U//	<0.51		1		WA	µg/L
Thorium-228								<9.0E-02	U//	<3.6E-01		1		TM	pCi/L
Thorium-230								7.6E-01	J//	NDD		1		TM	pCi/L
Thorium-232								<2.0E-02	U//	<3.3E-01		1		TM	pCi/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70		1		WA	µg/L
Tin-113								<7.5E-01	U//	<7.5E+00		1		TM	pCi/L
Toluene	<10	U//	<10			2	WA	<10	U//	<10		2		WA	µg/L
o-Toluidine								<10	JU/Q/	<10	●	1		WA	µg/L
Total dissolved solids	30,000	J/E/	NDD			1	WA	13,000	J/IQ/	NDD	●	1		WA	µg/L
Total organic carbon	4,800	N/				1	WA	1,100	//			1		WA	µg/L
Total organic halogens	210	J/Q/	NDD	●		1	WA	98	J//	NDD		1		WA	µg/L
Toxaphene								<5.1	U//	<5.1		1		WA	µg/L
2,4,5-TP (Silvex)								<0.50	U//	<0.50		1		WA	µg/L
1,2,4-Trichlorobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
1,1,1-Trichloroethane	<10	U//	<10			2	WA	<10	U//	<10		2		WA	µg/L
1,1,2-Trichloroethane	<10	U//	<10			2	WA	<10	U//	<10		2		WA	µg/L
Trichloroethylene	250	//		■		2	WA	110	//		■	2		WA	µg/L
Trichlorofluoromethane	2.1	J/E/	NDD			2	WA	<10	U//	<10		2		WA	µg/L
2,4,5-Trichlorophenol								<26	JU/Q/	<26	●	1		WA	µg/L
2,4,6-Trichlorophenol								<10	JU/Q/	<10	●	1		WA	µg/L
1,2,3-Trichloropropane								<10	U//	<10		2		WA	µg/L
O,O,O-Triethyl phosphorothioate								<0.51	U//	<0.51		1		WA	µg/L
1,3,5-Trinitrobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
Tritium	9.3E+03	//		■		1	TM	4.0E+03	//		■	1		TM	pCi/mL
Uranium-234								2.1E-01	J//	NDD		1		TM	pCi/L
Uranium-235								<3.0E-02	U//	<3.9E-01		1		TM	pCi/L
Uranium-238								<8.0E-02	U//	<2.6E-01		1		TM	pCi/L
Vanadium, total recoverable								<6.9	U//	<6.9		1		WA	µg/L
Vinyl acetate								<20	U//	<20		2		WA	µg/L
Xylenes	<10	U//	<10			2	WA	<10	U//	<10		2		WA	µg/L
Yttrium-88								<7.6E-01	U//	<5.2E+00		1		TM	pCi/L
Zinc, total recoverable	5.8	J/E/	NDD			1	WA	10	J//	NDD		1		WA	µg/L
Zinc-65								<5.0E-02	U//	<1.6E+01		1		TM	pCi/L
Zirconium-95								<5.3E-01	U//	<1.2E+01		1		TM	pCi/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76150.1 E58803.7	33.290140 °N 81.659876 °W	240.6-220.6 ft msl	297.5 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	06/10/98	12/09/98
-------------	----------	----------

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		229.9	ft msl
pH	5.8	5.1	pH
Sp. conductance	32	20	µS/cm
Water temperature	22.9	19.4	°C
Alkalinity as CaCO ₃	5	0	mg/L
Turbidity	2	13.7	NTU
Volumes purged		0.17	
Sampling code	XN	XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	3,100	J/E/	NDD			1	WA	3,300	J/I/	NDD			1	WA	µg/L
Aluminum, total recoverable								170	//				1	WA	µg/L
Antimony, total recoverable	3.8	J/E/	NDD			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	6.3	N//				1	WA	5.9	//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	<270	U//	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<-1.8E+02	U//	<9.3E+02			1	TM	<1.3E+02	U//	<1.8E+02			1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	9.7	J/E/	NDD			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	2.1	J/E/	NDD			1	WA	7.2	//				1	WA	µg/L
Copper, total recoverable	33	//				1	WA	7.8	J/I/	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<3.4	U//	<5.0			1	WA	<2.8	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	3.6E+00	//				1	TM	2.6E+00	J/I/	NDD			1	TM	pCi/L
Iron, total recoverable								440	//				1	WA	µg/L
Lead, total recoverable	15	J/E/	NDD			1	WA	13	J/I/	NDD			1	WA	µg/L
Lithium, total recoverable	<0.87	U//	<2.7			1	WA	0.56	J/I/	NDD			1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	110	//				1	WA	6.6	J/I/	NDD			1	WA	µg/L
Nonvolatile beta	6.7E+00	//				1	TM	1.9E+00	J/I/	NDD			1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	U//	<37			1	WA	µg/L
Radium, total alpha-emitting	<1.2E+00	U//	<7.5E-01			1	TM	2.4E+00	J/I/	NDD			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<0.0E+00	U//	<2.5E+00			1	TM	<2.2E-01	U//	<1.3E+00			1	TM	pCi/L
Sulfate	1,400	//				1	WA	1,100	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	33,000	J/EQ/	NDD			1	WA	16,000	J/I/	NDD			1	WA	µg/L
Total organic carbon	5,500	N//				1	WA	470	J/I/	NDD			1	WA	µg/L
Total organic halogens	<120	U//	<120			1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tritium	1.9E+01	//				1	TM	5.6E+01	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	30	J/E/	NDD			1	WA	19	J/I/	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 5C

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

SAMPLE DATE	05/05/98	12/09/98
-------------	----------	----------

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	217.6	220.25	ft msl
pH	5.8	8.4	pH
Sp. conductance	43	45	µS/cm
Water temperature	23.0	21.6	°C
Alkalinity as CaCO ₃	11	10	mg/L
Turbidity	2	12.5	NTU
Volumes purged	2.3	0.37	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Acenaphthene								<10	JU/LQ/I	<10		●	1	WA	µg/L	
Acenaphthylene								<10	JU/Q/	<10		●	1	WA	µg/L	
Acetone								<3.0	U/N/	<10				1	WA	µg/L
Acetonitrile (Methyl cyanide)								<20	U//	<20				1	WA	µg/L
Acetophenone								<10	JU/Q/	<10		●	1	WA	µg/L	
2-Acetylaminofluorene								<10	JU/Q/	<10		●	1	WA	µg/L	
Acrolein								<20	U//	<20				1	WA	µg/L
Acrylonitrile								<5.0	U//	<5.0				1	WA	µg/L
Actinium-228								<4.0E+00	U//	<2.0E+01				1	TM	pCi/L
Aldrin								<0.052	U//	<0.052				1	WA	µg/L
Alkalinity (as CaCO ₃)	11,000	//				1	WA	8,300	J//	NDD				1	WA	µg/L
Allyl chloride								<10	U//	<10				1	WA	µg/L
Aluminum, total recoverable								1,100	//					1	WA	µg/L
Americium-241/Curium-246								4.9E-01	J//	NDD				1	TM	pCi/L
4-Aminobiphenyl								<10	JU/Q/	<10		●	1	WA	µg/L	
Aniline								<10	JU/Q/	<10		●	1	WA	µg/L	
Anthracene								<10	JU/Q/	<10		●	1	WA	µg/L	
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27				1	WA	µg/L
Antimony-124								<6.5E-01	U//	<5.2E+00				1	TM	pCi/L
Antimony-125								<2.5E+00	U//	<1.3E+01				1	TM	pCi/L
Aramite								<20	JU/Q/	<20		●	1	WA	µg/L	
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40				1	WA	µg/L
Barium, total recoverable	11	N//				1	WA	19	N//					1	WA	µg/L
Barium-133								<1.6E+00	U//	<5.9E+00				1	TM	pCi/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
alpha-Benzene hexachloride								<0.052	U//	<0.052				1	WA	µg/L
beta-Benzene hexachloride								<0.052	U//	<0.052				1	WA	µg/L
delta-Benzene hexachloride								<0.052	U//	<0.052				1	WA	µg/L
Benzo(a)anthracene								<10	JU/Q/	<10		●	1	WA	µg/L	
Benzo(b)fluoranthene								<10	JU/Q/	<10		●	1	WA	µg/L	
Benzo(k)fluoranthene								<10	JU/Q/	<10		●	1	WA	µg/L	
Benzoic acid								1.4	J//Q/	NDD		●	1	WA	µg/L	
Benzo(g,h,i)perylene								<10	JU/Q/	<10		●	1	WA	µg/L	
Benzo(a)pyrene								<10	JU/Q/	<10		●	1	WA	µg/L	
Benzyl alcohol								<10	JU/Q/	<10		●	1	WA	µg/L	
Beryllium, total recoverable								0.36	J//	NDD				1	WA	µg/L
Bis(2-chloroethoxy) methane								<10	JU/Q/	<10		●	1	WA	µg/L	
Bis(2-chloroethyl) ether								<10	JU/Q/	<10		●	1	WA	µg/L	
Bis(2-chloroisopropyl) ether								<10	JU/Q/	<10		●	1	WA	µg/L	
Bis(2-ethylhexyl) phthalate								<0.76	JU/Q/V/	<10		●	1	WA	µg/L	
Boron, total recoverable	<76	U/N/	<270			1	WA	<270	U//	<270				1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10				1	WA	µg/L
4-Bromophenyl phenyl ether								<10	JU/Q/	<10		●	1	WA	µg/L	
Butylbenzyl phthalate								<10	JU/Q/	<10		●	1	WA	µg/L	
2-sec-Butyl-4,6-dinitrophenol								<51	JU/Q/	<51		●	1	WA	µg/L	
Cadmium, total recoverable	0.68	J/E/	NDD			1	WA	<4.7	U//	<4.7				1	WA	µg/L
Carbon disulfide								<5.0	U//	<5.0				1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Carbon-14	<7.1E+01	U//	<1.9E+02			1	TM	1.9E+02	R//4	NDD				1	TM	pCi/L
Cerium-144								<2.5E+00	U//	<2.2E+01				1	TM	pCi/L
Cesium-134								<9.0E-02	U//	<4.6E+00				1	TM	pCi/L
Cesium-137								<1.0E+00	U//	<5.8E+00				1	TM	pCi/L
alpha-Chlordane								<0.052	U//	<0.052				1	WA	µg/L
gamma-Chlordane								<0.052	U//	<0.052				1	WA	µg/L
4-Chloroaniline								<10	JU/Q/	<10		●	1	WA	µg/L	
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 5C (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Chlorobenzilate								<10	JU/Q/	<10	●	1		WA	µg/L
4-Chloro-m-cresol								<10	JU/Q/	<10	●	1		WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloronaphthalene								<10	JU/Q/	<10	●	1		WA	µg/L
2-Chlorophenol								<10	JU/Q/	<10	●	1		WA	µg/L
4-Chlorophenyl phenyl ether								<10	JU/Q/	<10	●	1		WA	µg/L
Chloroprene								<5.0	U//	<5.0			1	WA	µg/L
Chromium, total recoverable	8.6	//				1	WA	8.6	//				1	WA	µg/L
Chrysene								<10	JU/Q/	<10	●	1		WA	µg/L
Cobalt, total recoverable								0.84	J//	NDD			1	WA	µg/L
Cobalt-57								<4.2E-01	U//	<2.7E+00			1	TM	pCi/L
Cobalt-58								<1.8E+00	U//	<4.9E+00			1	TM	pCi/L
Cobalt-60								<1.1E-01	U//	<5.6E+00			1	TM	pCi/L
Copper, total recoverable	20	//				1	WA	7.3	J//	NDD			1	WA	µg/L
m-Cresol (3-Methylphenol)								<10	U//	<10			1	WA	µg/L
o-Cresol (2-Methylphenol)								<10	JU/Q/	<10	●	1		WA	µg/L
p-Cresol (4-Methylphenol)								<10	JU/Q/	<10	●	1		WA	µg/L
Curium-242								<1.0E-02	U//	<2.2E-01			1	TM	pCi/L
Curium-243/244								<3.0E-02	U//	<2.1E-01			1	TM	pCi/L
Cyanide								<15	U//	<15			1	WA	µg/L
p,p'-DDD								<0.10	U//	<0.10			1	WA	µg/L
p,p'-DDE								<0.10	U//	<0.10			1	WA	µg/L
p,p'-DDT								<0.10	U//	<0.10			1	WA	µg/L
Diallate								<10	JU/Q/	<10	●	1		WA	µg/L
Dibenz(a,h)anthracene								<10	JU/Q/	<10	●	1		WA	µg/L
Dibenzofuran								<10	JU/Q/	<10	●	1		WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dibromo-3-chloropropane								<5.0	U//	<5.0			1	WA	µg/L
1,2-Dibromoethane								<5.0	U//	<5.0			1	WA	µg/L
Dibromomethane (Methylene bromide)								<5.0	U//	<5.0			1	WA	µg/L
Di-n-butyl phthalate								<10	JU/Q/	<10	●	1		WA	µg/L
1,2-Dichlorobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
1,3-Dichlorobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
1,4-Dichlorobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
3,3'-Dichlorobenzidine								<10	JU/Q/	<10	●	1		WA	µg/L
trans-1,4-Dichloro-2-butene								<20	U//	<20			1	WA	µg/L
Dichlorodifluoromethane								<10	U//	<10			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<2.9	U//	<5.0			1	WA	1.4	J//	NDD			1	WA	µg/L
2,4-Dichlorophenol								<10	JU/Q/	<10	●	1		WA	µg/L
2,6-Dichlorophenol								<10	JU/Q/	<10	●	1		WA	µg/L
2,4-Dichlorophenoxyacetic acid								<1.0	U//	<1.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Dieldrin								<0.10	U//	<0.10			1	WA	µg/L
Diethyl phthalate								<10	JU/Q/	<10	●	1		WA	µg/L
Dimethoate								<0.51	U//	<0.51			1	WA	µg/L
2,4-Dimethyl phenol								<10	JU/Q/	<10	●	1		WA	µg/L
Dimethyl phthalate								<10	JU/Q/	<10	●	1		WA	µg/L
p-Dimethylaminoazobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
7,12-Dimethylbenz(a)anthracene								<10	JU/Q/	<10	●	1		WA	µg/L
3,3'-Dimethylbenzidine								<10	JU/Q/	<10	●	1		WA	µg/L
a,a-Dimethylphenethylamine								<10	JU/Q/	<10	●	1		WA	µg/L
1,3-Dinitrobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
2,4-Dinitrophenol								<26	JU/Q/	<26	●	1		WA	µg/L
2,4-Dinitrotoluene								<10	JU/Q/	<10	●	1		WA	µg/L
2,6-Dinitrotoluene								<10	JU/Q/	<10	●	1		WA	µg/L
Di-n-octyl phthalate								<10	JU/Q/	<10	●	1		WA	µg/L
1,4-Dioxane								<10	JU/Q/	<10	●	1		WA	µg/L
Diphenylamine								<10	JU/Q/	<10	●	1		WA	µg/L
Disulfoton								<0.51	U//	<0.51			1	WA	µg/L
Endosulfan sulfate								<0.10	U//	<0.10			1	WA	µg/L
Endosulfan I								<0.052	U//	<0.052			1	WA	µg/L
Endosulfan II								<0.10	U//	<0.10			1	WA	µg/L
Endrin								<0.10	U//	<0.10			1	WA	µg/L
Endrin aldehyde								<0.10	U//	<0.10			1	WA	µg/L
Ethyl methacrylate								<10	JU/Q/	<10	●	1		WA	µg/L
Ethyl methanesulfonate								<10	JU/Q/	<10	●	1		WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Europium-152								<2.8E+00	U//	<3.6E+01			1	TM	pCi/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 5C (cont.)

Analyte	2Q98	Mod	Filt	S	H	DF	Lab	4Q98	Mod	Filt	S	H	DF	Lab	Unit		
Europium-154								<5.6E+00	U//	<1.5E+01				1	TM	pCi/L	
Europium-155								<2.6E+00	U//	<8.1E+00				1	TM	pCi/L	
Famphur								<1.3	U//	<1.3				1	WA	µg/L	
Fluoranthene								<10	JU/Q/	<10				●	1	WA	µg/L
Fluorene								<10	JU/Q/	<10				●	1	WA	µg/L
Gross alpha	<1.4E-01	U//	<1.1E+00			1	TM	9.3E-01	J//	NDD				1	TM	pCi/L	
Heptachlor								<0.052	U//	<0.052				1	WA	µg/L	
Heptachlor epoxide								<0.052	U//	<0.052				1	WA	µg/L	
Hexachlorobenzene								<10	JU/Q/	<10				●	1	WA	µg/L
Hexachlorobutadiene								<10	JU/Q/	<10				●	1	WA	µg/L
Hexachlorocyclopentadiene								<10	JU/Q/	<10				●	1	WA	µg/L
Hexachlorodibenzo-p-dioxins								<1.8E-04	U//	<1.8E-04				1	WA	µg/L	
Hexachlorodibenzo-p-furans								<1.5E-04	U//	<1.5E-04				1	WA	µg/L	
Hexachloroethane								<10	JU/Q/	<10				●	1	WA	µg/L
Hexachlorophene								<100	JU/Q/	<100				●	1	WA	µg/L
Hexachloropropene								<10	JU/Q/	<10				●	1	WA	µg/L
2-Hexanone								<10	U//	<10				1	WA	µg/L	
Indeno(1,2,3-c,d)pyrene								<10	JU/Q/	<10				●	1	WA	µg/L
Iodomethane (Methyl iodide)								<5.0	U//	<5.0				1	WA	µg/L	
Iron, total recoverable								440	N//					1	WA	µg/L	
Isobutyl alcohol								<100	U//	<100				1	WA	µg/L	
Isodrin								<0.10	U//	<0.10				1	WA	µg/L	
Isophorone								<10	JU/Q/	<10				●	1	WA	µg/L
Isosafrole								<10	JU/Q/	<10				●	1	WA	µg/L
Kepone								<0.52	U//	<0.52				1	WA	µg/L	
Lead, total recoverable	<47	U//	<47			1	WA	<47	U//	<47				1	WA	µg/L	
Lead-212								<3.2E+00	U//	<6.3E+00				1	TM	pCi/L	
Lindane								<0.052	U//	<0.052				1	WA	µg/L	
Lithium, total recoverable	<2.1	U//	<2.7			1	WA	2.0	J//	NDD				1	WA	µg/L	
Manganese-54								<6.8E-01	U//	<5.4E+00				1	TM	pCi/L	
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70				1	WA	µg/L	
Methacrylonitrile								<10	U//	<10				1	WA	µg/L	
Methapyrilene								<10	JU/Q/	<10				●	1	WA	µg/L
Methoxychlor								<0.52	U//	<0.52				1	WA	µg/L	
2-Methyl-4,6-dinitrophenol								<26	JU/Q/	<26				●	1	WA	µg/L
Methyl ethyl ketone								<10	U//	<10				1	WA	µg/L	
Methyl isobutyl ketone								<10	U//	<10				1	WA	µg/L	
Methyl methacrylate								<10	JU/Q/	<10				●	1	WA	µg/L
Methyl methanesulfonate								<10	JU/Q/	<10				●	1	WA	µg/L
3-Methylcholanthrene								<10	JU/Q/	<10				●	1	WA	µg/L
2-Methylnaphthalene								<10	JU/Q/	<10				●	1	WA	µg/L
Naphthalene								<10	JU/Q/	<10				●	1	WA	µg/L
1,4-Naphthoquinone								<10	JU/Q/	<10				●	1	WA	µg/L
1-Naphthylamine								<10	JU/Q/	<10				●	1	WA	µg/L
2-Naphthylamine								<10	JU/Q/	<10				●	1	WA	µg/L
Neptunium-237								6.8E-01	J//	NDD				1	TM	pCi/L	
Neptunium-239								<1.9E+01	U//	<6.7E+01				1	TM	pCi/L	
Nickel, total recoverable	120	//				1	WA	<26	U//	<26				1	WA	µg/L	
m-Nitroaniline								<26	JU/Q/	<26				●	1	WA	µg/L
o-Nitroaniline								<26	JU/Q/	<26				●	1	WA	µg/L
p-Nitroaniline								<26	JU/Q/	<26				●	1	WA	µg/L
Nitrobenzene								<10	JU/Q/	<10				●	1	WA	µg/L
2-Nitrophenol								<10	JU/Q/	<10				●	1	WA	µg/L
4-Nitrophenol								<26	JU/Q/	<26				●	1	WA	µg/L
4-Nitroquinoline-1-oxide								<20	JU/Q/	<20				●	1	WA	µg/L
N-Nitrosodi-n-butylamine								<10	JU/Q/	<10				●	1	WA	µg/L
N-Nitrosodiethylamine								<10	JU/Q/	<10				●	1	WA	µg/L
N-Nitrosodimethylamine								<10	JU/Q/	<10				●	1	WA	µg/L
N-Nitrosodiphenylamine								<10	JU/Q/	<10				●	1	WA	µg/L
N-Nitrosodipropylamine								<10	JU/LQ/	<10				●	1	WA	µg/L
N-Nitrosomethylethylamine								<10	JU/Q/	<10				●	1	WA	µg/L
N-Nitrosomorpholine								<10	JU/Q/	<10				●	1	WA	µg/L
N-Nitrosopiperidine								<51	JU/Q/	<51				●	1	WA	µg/L
N-Nitrosopyrrolidine								<10	JU/Q/	<10				●	1	WA	µg/L
5-Nitro-o-toluidine								<10	JU/Q/	<10				●	1	WA	µg/L
Nonvolatile beta	<4.9E-01	U//	<1.7E+00			1	TM	2.2E+00	J//	NDD				1	TM	pCi/L	
Parathion ethyl								<0.51	U//	<0.51				1	WA	µg/L	
Parathion methyl								<0.51	U//	<0.51				1	WA	µg/L	
PCB 1016								<1.0	U//	<1.0				1	WA	µg/L	
PCB 1221								<2.0	U//	<2.0				1	WA	µg/L	
PCB 1232								<1.0	U//	<1.0				1	WA	µg/L	
PCB 1242								<1.0	U//	<1.0				1	WA	µg/L	
PCB 1248								<1.0	U//	<1.0				1	WA	µg/L	
PCB 1254								<1.0	U//	<1.0				1	WA	µg/L	
PCB 1260								<1.0	U//	<1.0				1	WA	µg/L	
Pentachlorobenzene								<10	JU/Q/	<10				●	1	WA	µg/L
Pentachlorodibenzo-p-furans								<1.7E-04	U//	<1.7E-04				●	1	WA	µg/L
Pentachloroethane								<10	JU/Q/	<10				●	1	WA	µg/L
Pentachloronitrobenzene								<51	JU/Q/	<51				●	1	WA	µg/L
Pentachlorophenol								<26	JU/Q/	<26				●	1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 5C (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Phenacetin								<10	JU/Q/	<10	●	1		WA	µg/L
Phenanthrene								<10	JU/Q/	<10	●	1		WA	µg/L
Phenol								<10	JU/Q/	<10	●	1		WA	µg/L
Phenois	<36	U//	<36			1	WA	<37	U//	<37		1		WA	µg/L
p-Phenylenediamine								<10	JU/Q/	<10	●	1		WA	µg/L
Phorate								<1.0	U//	<1.0		1		WA	µg/L
2-Picoline								<10	JU/Q/	<10	●	1		WA	µg/L
Plutonium-238								<1.8E-01	U//	<9.3E-01		1		TM	pCi/L
Plutonium-239/240								6.8E-01	J//	NDD		1		TM	pCi/L
Potassium-40								<1.2E+01	U//	<5.2E+01		1		TM	pCi/L
Promethium-144								<5.5E-01	U//	<5.1E+00		1		TM	pCi/L
Promethium-146								<4.4E-01	U//	<8.6E+00		1		TM	pCi/L
Pronamid								<10	JU/Q/	<10	●	1		WA	µg/L
Propionitrile								<50	U//	<50		1		WA	µg/L
Pyrene								<10	JU/Q/	<10	●	1		WA	µg/L
Pyridine								<10	JU/Q/	<10	●	1		WA	µg/L
Radium, total alpha-emitting	<1.7E-01	U//	<6.5E-01			1	TM	4.2E-01	J//	NDD		1		TM	pCi/L
Ruthenium-106								<4.4E-01	U//	<4.7E+01		1		TM	pCi/L
Saflrole								<10	JU/Q/	<10	●	1		WA	µg/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66		1		WA	µg/L
Silver, total recoverable	<1.8	U//	<5.0			1	WA	<3.4	U//	<5.0		1		WA	µg/L
Sodium-22								<1.9E+00	U//	<5.2E+00		1		TM	pCi/L
Strontium-90	<0.0E+00	U//	<1.2E+00			1	TM	<7.0E-02	U//	<1.3E+00		1		TM	pCi/L
Styrene								<5.0	U//	<5.0		1		WA	µg/L
Sulfate	600	//				1	WA	600	//			1		WA	µg/L
Sulfide								<10,000	U//	<100		1		WA	µg/L
Sulfotep								<1.0	U//	<1.0		1		WA	µg/L
2,4,5-T								<0.50	U//	<0.50		1		WA	µg/L
2,3,7,8-TCDD								<1.8E-04	U//	<1.8E-04		1		WA	µg/L
1,2,4,5-Tetrachlorobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
Tetrachlorodibenzo-p-dioxins								<1.8E-04	U//	<1.8E-04		1		WA	µg/L
Tetrachlorodibenzo-p-furans								<1.1E-04	U//	<1.1E-04		1		WA	µg/L
1,1,1,2-Tetrachloroethane								<5.0	U//	<5.0		1		WA	µg/L
1,1,1,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0		1		WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0		1		WA	µg/L
2,3,4,6-Tetrachlorophenol								<10	JU/Q/	<10	●	1		WA	µg/L
Thallium, total recoverable								<55	U//	<55		1		WA	µg/L
Thionazin								<0.51	U//	<0.51		1		WA	µg/L
Thorium-228								<1.0E-02	U//	<3.7E-01		1		TM	pCi/L
Thorium-230								2.4E-01	J//	NDD		1		TM	pCi/L
Thorium-232								<7.0E-02	U//	<2.3E-01		1		TM	pCi/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70		1		WA	µg/L
Tin-113								<1.9E+00	U//	<5.7E+00		1		TM	pCi/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0		1		WA	µg/L
o-Toluidine								<10	JU/Q/	<10	●	1		WA	µg/L
Total dissolved solids	40,000	J/EQ/	NDD	●		1	WA	27,000	J//	NDD		1		WA	µg/L
Total organic carbon	5,200	N//		●		1	WA	850	J//	NDD		1		WA	µg/L
Total organic halogens	<120	UJ/Q/	<120	●		1	WA	<120	U//	<120		1		WA	µg/L
Toxaphene								<5.2	U//	<5.2		1		WA	µg/L
2,4,5-TP (Silvex)								<0.50	U//	<0.50		1		WA	µg/L
1,2,4-Trichlorobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0		1		WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0		1		WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0		1		WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0		1		WA	µg/L
2,4,5-Trichlorophenol								<26	JU/Q/	<26	●	1		WA	µg/L
2,4,6-Trichlorophenol								<10	JU/Q/	<10	●	1		WA	µg/L
1,2,3-Trichloropropane								<5.0	U//	<5.0		1		WA	µg/L
O,O,O-Triethyl phosphorothioate								<0.51	U//	<0.51		1		WA	µg/L
1,3,5-Trinitrobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
Tritium	5.7E+01	//		■		1	TM	6.3E+01	//		■	1		TM	pCi/mL
Uranium-234								5.0E-01	J//	NDD		1		TM	pCi/L
Uranium-235								<1.0E-01	U//	<3.3E-01		1		TM	pCi/L
Uranium-238								<1.0E-02	U//	<2.0E-01		1		TM	pCi/L
Vanadium, total recoverable								1.2	J//	NDD		1		WA	µg/L
Vinyl acetate								<10	U//	<10		1		WA	µg/L
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0		1		WA	µg/L
Yttrium-88								<1.1E+00	U//	<6.1E+00		1		TM	pCi/L
Zinc, total recoverable	16	J/E/	NDD			1	WA	23	J//	NDD		1		WA	µg/L
Zinc-65								<2.4E+00	U//	<1.1E+01		1		TM	pCi/L
Zirconium-95								<7.5E-01	U//	<1.0E+01		1		TM	pCi/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 5D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76477.5 E58784.8	33.290833 °N 81.660564 °W	239.3-219.3 ft msl	296.3 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	05/05/98	12/09/98
-------------	----------	----------

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	229.6	230.3	ft msl
pH	3.9	5.0	pH
Sp. conductance	38	40	µS/cm
Water temperature	25.6	21.6	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	4	9.9	NTU
Volumes purged	0.0	0.83	Well vol
Sampling code	XN	XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	1,200	J/E/	NDD			2	WA	<13,000	U/V/	<130			1	WA	µg/L
Aluminum, total recoverable							WA	57	J/I/	NDD			1	WA	µg/L
Antimony, total recoverable	<27	U/I/	<27			1	WA	<27	U/I/	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U/I/	<40			1	WA	<40	U/I/	<40			1	WA	µg/L
Barium, total recoverable	55	N/				1	WA	52	N/				1	WA	µg/L
Benzene	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Boron, total recoverable	<270	U/I/	<270			1	WA	<270	U/I/	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Bromoform	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U/I/	<10			1	WA	<10	JU/Q/	<10	●		1	WA	µg/L
Cadmium, total recoverable	<4.7	U/I/	<4.7			1	WA	<4.7	U/I/	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Carbon-14	3.7E+03	I/				1	TM	6.5E+03	R/I/4				1	TM	pCi/L
Chlorobenzene	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Chloroethane	<10	U/I/	<10			1	WA	<10	JU/Q/	<10	●		1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U/I/	<10			1	WA	<10	JU/Q/	<10	●		1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U/I/	<10			1	WA	<10	JU/Q/	<10	●		1	WA	µg/L
Chloroform	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U/I/	<10			1	WA	<10	JU/Q/	<10	●		1	WA	µg/L
Chromium, total recoverable	11	N/				1	WA	0.83	J/I/	NDD			1	WA	µg/L
Copper, total recoverable	20	N/				1	WA	18	I/				1	WA	µg/L
Dibromochloromethane	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,1-Dichloroethane	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,2-Dichloroethane	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,1-Dichloroethylene	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,2-Dichloroethylene	<5.0	U/I/	<5.0			1	WA				●		1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Dichloromethane	<2.7	U/V/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,2-Dichloropropane	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Ethylbenzene	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Gross alpha	9.5E+00	I/				1	TM	5.3E+00	I/				1	TM	pCi/L
Iron, total recoverable								110	J/KV/I/	NDD			1	WA	µg/L
Lead, total recoverable	6.0	J/E/	NDD			1	WA	<47	U/I/	<47			1	WA	µg/L
Lithium, total recoverable	<1.3	U/V/	<2.7			1	WA	0.33	J/I/	NDD			1	WA	µg/L
Mercury, total recoverable	<0.70	U/I/	<0.70			1	WA	<2.0	U/I/	<2.0			1	WA	µg/L
Nickel, total recoverable	6.7	J/E/	NDD			1	WA	<26	U/I/	<26			1	WA	µg/L
Nonvolatile beta	7.3E+00	I/				1	TM	3.5E+00	J/I/	NDD			1	TM	pCi/L
Phenols	<36	U/I/	<36			1	WA	<37	U/I/	<37			1	WA	µg/L
Radium, total alpha-emitting	1.7E+00	I/				1	TM	3.3E+00	J/I/	NDD			1	TM	pCi/L
Selenium, total recoverable	<66	U/I/	<66			1	WA	<66	U/I/	<66			1	WA	µg/L
Silver, total recoverable	<3.0	U/V/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
Strontium-90	<4.3E-01	U/I/	<1.5E+00			1	TM	<9.2E-01	U/I/	<1.1E+00			1	TM	pCi/L
Sulfate	250	J/I/Q/2	NDD	●		1	WA	360	I/				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Tetrachloroethylene	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Tin, total recoverable	8.6	J/E/	NDD			1	WA	<70	U/I/	<70			1	WA	µg/L
Toluene	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Total dissolved solids	34,000	J/E/	NDD			1	WA	27,000	J/I/Q/	NDD	●		1	WA	µg/L
Total organic carbon	14,000	N/				1	WA	3,000	I/				1	WA	µg/L
Total organic halogens	22	J/E/Q/	NDD	●		1	WA	13	J/I/	NDD			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Trichloroethylene	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Trichlorofluoromethane	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Tritium	4.9E+03	I/		■		1	TM	7.9E+03	I/		■		1	TM	pCi/mL
Xylenes	<5.0	U/I/	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Zinc, total recoverable	11	J/E/	NDD			1	WA	<53	U/I/	<53			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 6A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76487.2	33.290091 °N	117.5-107.5 ft msl	285.6 ft msl	4" PVC	S	U.
Congaree (IIA)						
E81.661815	81.661815 °W					

SAMPLE DATE 12/09/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		159.3	ft msl
pH		7.3	pH
Sp. conductance		270	µS/cm
Water temperature		19.8	°C
Alkalinity as CaCO3		140	mg/L
Turbidity		0.6	NTU
Volumes purged		2.9	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Aluminum, total recoverable								<150	U//	<150				1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								43	//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								<-5.0E+00	U//	<1.8E+02				1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA	µg/L
Chromium, total recoverable								<7.0	U//	<7.0				1	WA	µg/L
Copper, total recoverable								2.1	J//	NDD				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<2.5	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								1.7E+00	J//	NDD				1	TM	pCi/L
Iron, total recoverable								100	//					1	WA	µg/L
Lead, total recoverable								<47	U//	<47				1	WA	µg/L
Lithium, total recoverable								1.2	J//	NDD				1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								<26	U//	<26				1	WA	µg/L
Nonvolatile beta								<1.2E+00	U//	<1.4E+00				1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								2.3E+00	J//	NDD				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Strontium-90								<4.5E-01	U//	<1.1E+00				1	TM	pCi/L
Sulfate								8,900	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								210,000	//					1	WA	µg/L
Total organic carbon								170	J//	NDD				1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
Tritium								4.6E+00	//					1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								<53	U//	<53				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 6B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76553.2 E58346.5	33.290286 °N 81.661865 °W	149.7-139.7 ft msl	286.8 ft msl	4" PVC	S	Barnwell/McBean (IIB ₁)

SAMPLE DATE 05/04/98 12/09/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	219.9	219.2	ft msl
pH	8.4	11.2	pH
Sp. conductance	130	340	µS/cm
Water temperature	22.0	20.4	°C
Alkalinity as CaCO ₃	66	109	mg/L
Turbidity	1	2.8	NTU
Volumes purged	0.0	0.12	Well vol
Sampling code	XN	XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt	S	H	DF	Lab	4Q98	Mod	Filt	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	74,000	//				1	WA	70,000	//				1	WA	µg/L
Aluminum, total recoverable								35	J//	NDD			1	WA	µg/L
Antimony, total recoverable	3.1	J/E/	NDD			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	53	N/				1	WA	220	//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	<33	U/N/	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<1.7E+02	U//	<1.9E+02			1	TM	<4.0E+01	U//	<1.8E+02			1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	4.9	J/E/	NDD			1	WA	2.3	J//	NDD			1	WA	µg/L
Copper, total recoverable	1.5	J/E/	NDD			1	WA	<15	U//	<15			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA								µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<3.1	U/N/	<5.0			1	WA	<2.2	U/N/	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	1.3E+00	//				1	TM	2.1E+00	J//	NDD			1	TM	pCi/L
Iron, total recoverable								250	//				1	WA	µg/L
Lead, total recoverable	<47	U//	<47			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	<13	U/N/	<2.7			1	WA	120	//				1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	3.0	J/E/	NDD			1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	2.7E+00	//				1	TM	2.1E+00	J//	NDD			1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	U//	<37			1	WA	µg/L
Radium, total alpha-emitting	4.8E-01	//				1	TM	<5.0E-02	U//	<1.2E+00			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<1.3	U/N/	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<0.0E+00	U//	<1.6E+00			1	TM	<2.3E-01	U//	<1.4E+00			1	TM	pCi/L
Sulfate	1,900	J/Q/	NDD	●		1	WA	1,900	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	110,000	J/Q/	NDD	●		1	WA	92,000	//				1	WA	µg/L
Total organic carbon	990	J/E/	NDD	●		1	WA	1,200	//				1	WA	µg/L
Total organic halogens	<120	U/J/Q/	<120	●		1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tritium	1.7E+01	//				1	TM	2.3E+01	//		■		1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	12	J/E/	NDD			1	WA	100	//				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 6C

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

SAMPLE DATE 05/04/98 12/09/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	220.8	220.3	ft msl
pH	6.4	6.9	pH
Sp. conductance	100	115	µS/cm
Water temperature	17.0	19.9	°C
Alkalinity as CaCO ₃	44	50	mg/L
Turbidity	3	1.3	NTU
Volumes purged	3.3	2.3	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	56,000	//				1	WA	52,000	//				1	WA	µg/L
Aluminum, total recoverable						1	WA	43	J//	NDD			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	9.9	N//				1	WA	9.7	//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	<120	U//	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	0.66	J/E/	NDD			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	3.8E+02	//				1	TM	5.8E+02	R//4				1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	2.9	J/E/	NDD			1	WA	1.4	J//	NDD			1	WA	µg/L
Copper, total recoverable	<15	U//	<15			1	WA	<15	U//	<15			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene						1	WA	<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<2.8	U//	<5.0			1	WA	<2.0	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	<1.8E-01	U//	<9.7E-01			1	TM	<6.1E-01	U//	<1.3E+00			1	TM	pCi/L
Iron, total recoverable						1	WA	150	//				1	WA	µg/L
Lead, total recoverable	<47	U//	<47			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	<1.2	U//	<2.7			1	WA	0.31	J//	NDD			1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	<26	U//	<26			1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	<5.3E-01	U//	<1.7E+00			1	TM	<1.7E-01	U//	<1.5E+00			1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	U//	<37			1	WA	µg/L
Radium, total alpha-emitting	<1.0E-01	U//	<3.8E-01			1	TM	<5.2E-01	U//	<1.2E+00			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<1.4	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<3.5E-01	U//	<1.4E+00			1	TM	<7.9E-01	U//	<1.5E+00			1	TM	pCi/L
Sulfate	550	J/Q/	NDD			1	WA	550	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	86,000	J/Q/	NDD			1	WA	69,000	//				1	WA	µg/L
Total organic carbon	770	J/E/	NDD			1	WA	360	J//	NDD			1	WA	µg/L
Total organic halogens	<120	U//	<120			1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	2.2	J/E/	NDD			1	WA	2.3	J//	NDD			1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tritium	1.1E+03	//				1	TM	7.5E+02	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	5.6	J/E/	NDD			1	WA	<53	U//	<53			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 6D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76487.3 E58297.1	33.290059 °N 81.661867 °W	237.2-217.2 ft msl	285.5 ft msl	4" PVC	S	Water Table (IIB2)

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

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	230.1	231.2	ft msl
pH	5.6	5.8	pH
Sp. conductance	180	75	µS/cm
Water temperature	16.0	23.5	°C
Alkalinity as CaCO3	71	18	mg/L
Turbidity	6	13.3	NTU
Volumes purged	0.12	0.6	Well vol
Sampling code	XN	XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO3)	78,000	//				1	WA	17,000	//				1	WA	µg/L
Aluminum, total recoverable						1	WA	140	J//	NDD			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	35	//				1	WA	24	//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	<270	U//	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	0.66	J/E/	NDD			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	1.3E+03	//				1	TM	1.4E+03	R//4				1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	4.2	J/E/	NDD			1	WA	7.6	J/Q/	NDD			1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	<1.4	U//	<1.4			1	WA	1.7	J//	NDD			1	WA	µg/L
Copper, total recoverable	<6.1	U//	<6.1			1	WA	6.6	J//	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	5.0	//				1	WA	5.9	J/Q/	NDD			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	6.6	//				1	WA	12	J/Q/	NDD			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<3.7	U//	<3.7			1	WA	<2.7	J//	<2.7			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	5.3E+00	//				1	TM	4.0E+00	//				1	TM	pCi/L
Iron, total recoverable								320	//				1	WA	µg/L
Lead, total recoverable	12	J/E/	NDD			1	WA	5.0	J//	NDD			1	WA	µg/L
Lithium, total recoverable	<1.9	U//	<1.9			1	WA	<2.7	U//	<2.7			1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	5.5	J/E/	NDD			1	WA	2.8	J//	NDD			1	WA	µg/L
Nonvolatile beta	4.4E+00	//				1	TM	2.1E+00	J//	NDD			1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	U//	<37			1	WA	µg/L
Radium, total alpha-emitting	8.2E-01	//				1	TM	<1.0E+00	U//	<1.3E+00			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<2.0	U//	<2.0			1	WA	1.3	J//	NDD			1	WA	µg/L
Strontium-90	<1.8E-01	U//	<1.5E+00			1	TM	<1.1E-01	U//	<1.3E+00			1	TM	pCi/L
Sulfate	1,900	J/Q/2	NDD			1	WA	670	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	16	//				1	WA	20	J/Q/	NDD			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	110,000	J/Q/	NDD			1	WA	38,000	J/Q/	NDD			1	WA	µg/L
Total organic carbon	15,000	//				5	WA	1,000	//				1	WA	µg/L
Total organic halogens	180	J/Q/	NDD			1	WA	300	//				1	WA	µg/L
1,1,1-Trichloroethane	1.6	J/E/	NDD			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	130	//				1	WA	200	J/Q/	NDD			2	WA	µg/L
Trichlorofluoromethane	2.8	J/E/	NDD			1	WA	3.2	J/Q/	NDD			1	WA	µg/L
Tritium	2.0E+03	//				1	TM	1.2E+03	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	37	J/E/	NDD			1	WA	17	J//	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 7D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76494.5 E57917.2	33.289455 °N 81.662882 °W	240.2-220.2 ft msl	287 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 05/04/98 12/10/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	230.8	231.4	ft msl
pH	4.6	5.0	pH
Sp. conductance	22	28	µS/cm
Water temperature	16.0	20.1	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	2	0.9	NTU
Volumes purged	25	4.3	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	<1,000	U//	<1,000			1	GE	<13,000	U//	<130			2	WA	µg/L
Aluminum, total recoverable								23	J//	NDD			1	WA	µg/L
Antimony, total recoverable	<10	U//	<10			1	GE	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<5.0	U//	<5.0			1	GE	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	7.4	//				1	GE	6.1	//				1	WA	µg/L
Benzene	<1.0	U//O/	<1.0			1	GE	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	<50	U//	<50			1	GE	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<1.0	U//O/	<1.0			1	GE	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<1.0	U//O/	<1.0			1	GE	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)	3.3	J/O/	NDD			1	GE	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<1.0	U//O/	<1.0			1	GE	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<1.7E+00	U//	<1.5E+01			1	GP	3.5E+02	R//4	NDD			1	TM	pCi/L
Chlorobenzene	<1.0	U//O/	<1.0			1	GE	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<1.0	U//O/	<1.0			1	GE	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<1.0	U//O/	<1.0			1	GE	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<5.0	U//O/	<5.0			1	GE	<10	U//	<10			1	WA	µg/L
Chloroform	<1.0	U//O/	<1.0			1	GE	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)	<1.0	U//O/	<1.0			1	GE	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	<5.0	U//	<5.0			1	GE	<7.0	U//	<7.0			1	WA	µg/L
Copper, total recoverable	<1.9	U//6/	<15			1	WA	2.6	J//	NDD			1	WA	µg/L
Dibromochloromethane	<1.0	U//O/	<1.0			1	GE	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<1.0	U//O/	<1.0			1	GE	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<1.0	U//O/	<1.0			1	GE	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<1.0	U//O/	<1.0			1	GE	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene	<1.0	U//O/	<1.0			1	GE	<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<1.9	U//	<5.0			1	WA	<2.4	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane	<1.0	U//O/	<1.0			1	GE	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<1.0	U//O/	<1.0			1	GE	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<1.0	U//O/	<1.0			1	GE	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<1.0	U//O/	<1.0			1	GE	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	3.3E+00	//				1	TM	3.4E+00	//				1	TM	pCi/L
Iron, total recoverable								78	//				1	WA	µg/L
Lead, total recoverable	<5.0	U//	<5.0			1	GE	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	0.41	J/E/	NDD			1	GE	<2.7	U//	<2.7			1	WA	µg/L
Mercury, total recoverable	3.5	//				1	GE	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	<5.0	U//	<5.0			1	GE	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	2.3E+00	//				1	TM	1.9E+00	J//	NDD			1	TM	pCi/L
Phenols	<5.0	U//	<5.0			1	GE	<37	U//	<37			1	WA	µg/L
Radium, total alpha-emitting	8.0E-01	//				1	TM	2.4E+00	J//	NDD			1	TM	pCi/L
Selenium, total recoverable	<5.0	U//	<5.0			1	GE	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<0.79	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<0.0E+00	U//	<1.7E+00			1	TM	<6.9E-01	U//	<1.6E+00			1	TM	pCi/L
Sulfate	780	J/Q/	NDD			1	WA	1,200	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<1.0	U//O/	<1.0			1	GE	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	0.60	J/E/O/	NDD			1	GE	1.9	J//	NDD			1	WA	µg/L
Tin, total recoverable	<10	U//	<10			1	GE	<70	U//	<70			1	WA	µg/L
Toluene	<1.0	U//O/	<1.0			1	GE	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	<19,000	U//Q6/	<47,000			1	WA	12,000	J//	NDD			1	WA	µg/L
Total organic carbon	610	J/E6/	NDD			1	WA	280	J//	NDD			1	WA	µg/L
Total organic halogens	<7.1	U//V6/	<10			1	GE	24	J//	NDD			1	WA	µg/L
1,1,1-Trichloroethane	<1.0	U//O/	<1.0			1	GE	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<1.0	U//O/	<1.0			1	GE	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	7.0	//				1	WA	19	//				1	WA	µg/L
Trichlorofluoromethane	0.94	J/E/	NDD			1	WA	1.8	J//	NDD			1	WA	µg/L
Tritium	4.8E+02	//				1	TM	3.6E+02	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	<2.2	U//	<5.0			1	GE	<53	U//	<53			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 8AR

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

SAMPLE DATE 05/01/98 11/11/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	160.8	160.3	ft msl
pH	7.5	6.5	pH
Sp. conductance	210	230	µS/cm
Water temperature	20.8	19.0	°C
Alkalinity as CaCO3	107	102	mg/L
Turbidity	0	2	NTU
Volumes purged	2.0	0.046	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO3)	130,000	//				1	WA	130,000	//				1	WA	µg/L
Aluminum, total recoverable						1	WA	120	J/N	NDD			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	16	N/				1	WA	18	N/				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	34	J/E/	NDD			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)<10		U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<-7.4E+01	U//	<1.8E+02			1	TM	<5.5E+01	U//	<1.8E+02			1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)<10		U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	<7.0	U//	<7.0			1	WA	<7.0	U//	<7.0			1	WA	µg/L
Copper, total recoverable	18	//				1	WA	<15	U//	<15			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<6.8	U//	<5.0			1	WA	<2.8	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	<6.9E-01	U//	<1.0E+00			1	TM	<0.0E+00	U//	<1.6E+00			1	TM	pCi/L
Iron, total recoverable								<33	U//	<74			1	WA	µg/L
Lead, total recoverable	<47	U//	<47			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	8.4	//				1	WA	19	//				1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	110	//				1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	2.1E+00	J//1	NDD			1	TM	6.0E+00	//				1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	U//	<37			1	WA	µg/L
Radium, total alpha-emitting	<3.0E-02	U//	<7.4E-01			1	TM	<0.0E+00	U//	<6.9E-01			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<0.0E+00	U//	<1.5E+00			1	TM	<6.8E-01	U//	<1.4E+00			1	TM	pCi/L
Sulfate	8,100	//				1	WA	9,300	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	170,000	J/Q/	NDD	●		1	WA	190,000	J/Q/	NDD	●		1	WA	µg/L
Total organic carbon	980	J/E/	NDD			1	WA	2,300	//				1	WA	µg/L
Total organic halogens	<120	U//	<120	●		1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane	3.0	J/E/	NDD			1	WA	3.4	J//	NDD			1	WA	µg/L
Tritium	2.4E+00	//				1	TM	4.9E+00	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	7.5	J/E/	NDD			1	WA	<13	U//	<53			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

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>Pump</u>	<u>Screen Zone</u>
N76579.2 E57618.7	33.289156 °N 81.663832 °W	184.3-174.3 ft msl	287.9 ft msl	4" PVC	S	McBean (IIB1)

<u>SAMPLE DATE</u>	05/01/98	11/10/98
--------------------	----------	----------

FIELD DATA

<u>Constituents</u>	2Q98	4Q98	<u>Unit</u>
Water elevation	223.5	223.7	ft msl
pH	6.8	6.2	pH
Sp. conductance	75	100	µS/cm
Water temperature	19.7	19.5	°C
Alkalinity as CaCO3	37	23	mg/L
Turbidity	1	2	NTU
Volumes purged	2.4	3.9	Well vol
Sampling code			

ANALYTICAL DATA

<u>Analyte</u>	<u>2Q98</u>	<u>Mod</u>	<u>Filt.</u>	<u>S</u>	<u>H</u>	<u>DF</u>	<u>Lab</u>	<u>4Q98</u>	<u>Mod</u>	<u>Filt.</u>	<u>S</u>	<u>H</u>	<u>DF</u>	<u>Lab</u>	<u>Unit</u>
Alkalinity (as CaCO3)	47,000	//				1	WA	28,000	//				1	WA	µg/L
Aluminum, total recoverable						1	WA	68	J//	NDD			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	8.8	//				1	WA	6.6	//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	<270	U//	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)<10		U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<-4.5E+01	U//	<-1.8E+02			1	TM	<-4.7E+01	U//	<-1.7E+02			1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)<10		U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	3.6	J/E/	NDD			1	WA	3.3	J//	NDD			1	WA	µg/L
Copper, total recoverable	12	J/E/	NDD			1	WA	11	J//	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene						1	WA	<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<5.2	U//	<5.0			1	WA	<1.7	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	<4.6E-01	U//	<7.7E-01			1	TM	<3.8E-01	U//	<8.7E-01			1	TM	pCi/L
Iron, total recoverable						1	WA	19	J//	NDD			1	WA	µg/L
Lead, total recoverable	5.2	J/E/	NDD			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	3.6	//				1	WA	3.1	//				1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	<26	U//	<26			1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	1.4E+01	//				1	TM	<1.1E-01	U//	<1.7E+00			1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	JU/Q/	<37			1	WA	µg/L
Radium, total alpha-emitting	<-8.0E-02	U//	<-6.8E-01			1	TM	<0.0E+00	U//	<7.3E-01			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<5.7E-01	U//	<1.3E+00			1	TM	1.6E+00	J//	NDD			1	TM	pCi/L
Sulfate	1,100	//				1	WA	890	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	48,000	J/Q/	NDD			1	WA	80,000	J/Q/	NDD			1	WA	µg/L
Total organic carbon	1,200	//				1	WA	990	J//	NDD			1	WA	µg/L
Total organic halogens	<120	U//	<120			1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tritium	1.9E+01	//				1	TM	2.4E+01	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	27	J/E/	NDD			1	WA	18	J//	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

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>Pump</u>	<u>Screen Zone</u>
N76588.8 E57617.8	33.289175 °N 81.663853 °W	240.6-220.6 ft msl	287.8 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 05/01/98 11/10/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	231.2	231.2	ft msl
pH	4.4	4.3	pH
Sp. conductance	20	22	µS/cm
Water temperature	19.5	20.8	°C
Alkalinity as CaCO3	0	0	mg/L
Turbidity	1	1	NTU
Volumes purged	6.5	19	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO3)	1,300	J/E/	NDD			1	WA	<13,000	U//	<130			1	WA	µg/L
Aluminum, total recoverable								71	J//	NDD			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	8.7	N//				1	WA	11	//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	<270	U//	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<1.7E+02	U//	<1.8E+02			1	TM	5.0E+02	R//4				1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	1.0	J/E/	NDD			1	WA	<7.0	U//	<7.0			1	WA	µg/L
Copper, total recoverable	3.8	J/E/	NDD			1	WA	3.8	J//	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<2.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	4.3E+00	//				1	TM	3.2E+00	//				1	TM	pCi/L
Iron, total recoverable								120	//				1	WA	µg/L
Lead, total recoverable	<47	U//	<47			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	<2.7	U//	<2.7			1	WA	0.28	J//	NDD			1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	<26	U//	<26			1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	3.5E+00	//				1	TM	2.9E+00	J//	NDD			1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	JU/Q/	<37			1	WA	µg/L
Radium, total alpha-emitting	<4.9E-01	U//	<5.9E-01			1	TM	8.8E-01	J//	NDD			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<5.0	U//	<5.0			1	WA	0.87	J//	NDD			1	WA	µg/L
Strontium-90	<0.0E+00	U//	<1.5E+00			1	TM	<3.0E-02	U//	<1.3E+00			1	TM	pCi/L
Sulfate	720	//				1	WA	690	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	<47,000	U//	<47,000			1	WA	32,000	J//	NDD			1	WA	µg/L
Total organic carbon	650	J/E/	NDD			1	WA	<1,000	U//	<1,000			1	WA	µg/L
Total organic halogens	<120	U//	<120			1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane	1.4	J/E/	NDD			1	WA	6.2	//				1	WA	µg/L
Tritium	3.6E+02	//				1	TM	2.6E+02	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	8.2	J/E/	NDD			1	WA	<53	U//	<53			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 9AA

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

SAMPLE DATE 11/06/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		157.9	ft msl
pH		12.0	pH
Sp. conductance		6900	µS/cm
Water temperature		19.2	°C
Alkalinity as CaCO ₃		1284	mg/L
Turbidity		7	NTU
Volumes purged		0.018	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								2,500,000	//					1	WA	µg/L
Aluminum, total recoverable								510	//					1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								1,000	//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								1.0E+03	R//4	NDD				1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA	µg/L
Chromium, total recoverable								5.1	J//	NDD				1	WA	µg/L
Copper, total recoverable								4.4	J//	NDD				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<5.9	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								1.6E+01	//					1	TM	pCi/L
Iron, total recoverable								<69	U//	<74				1	WA	µg/L
Lead, total recoverable								<47	U//	<47				1	WA	µg/L
Lithium, total recoverable								2,300	//					1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								6.0	J//	NDD				1	WA	µg/L
Nonvolatile beta								1.5E+02	//					1	TM	pCi/L
Phenols								8.2	J//Q/	NDD				1	WA	µg/L
Radium, total alpha-emitting								8.1E+00	//					1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Strontium-90								<7.1E-01	U//	<1.2E+00				1	TM	pCi/L
Sulfate								3,500	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								3.3	J//	NDD				1	WA	µg/L
Total dissolved solids								1,700,000	J//QV/	NDD				1	WA	µg/L
Total organic carbon								6,000	//					1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
Tritium								2.3E+00	//					1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								<53	U//	<53				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 9D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76811.6 E57478.9	33.289442 °N 81.664652 °W	229.2-209.2 ft msl	285.1 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 05/01/98 11/06/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	229.2	229.6	ft msl
pH	5.6	4.3	pH
Sp. conductance	24	26	µS/cm
Water temperature	23.7	20.8	°C
Alkalinity as CaCO3	0	3	mg/L
Turbidity	1	4	NTU
Volumes purged	2.3	0.075	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO3)	760	J/E/	NDD			1	WA	6,900	J/I/	NDD			1	WA	µg/L
Aluminum, total recoverable							WA	<79	U/N/	<150			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	9.4	N/				1	WA	9.4	//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	<270	U//	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	0.98	J/I/	NDD			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<1.7E+02	U//	<1.8E+02			1	TM	2.9E+03	R//4				1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U/N/	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	0.98	J/E/	NDD			1	WA	1.1	J/I/	NDD			1	WA	µg/L
Copper, total recoverable	20	//				1	WA	5.0	J/I/	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<3.0	U/N/	<5.0			1	WA	<5.2	U/N/	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	3.4E+00	//				1	TM	4.7E+00	//				1	TM	pCi/L
Iron, total recoverable								250	N/				1	WA	µg/L
Lead, total recoverable	<47	U//	<47			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	0.41	J/E/	NDD			1	WA	1.1	J/I/	NDD			1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	110	//				1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	1.9E+00	J//1	NDD			1	TM	8.3E+00	//				1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	JU/Q/	<37			1	WA	µg/L
Radium, total alpha-emitting	6.3E-01	J//1	NDD			1	TM	1.1E+00		NDD			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<5.4E-01	U//	<1.1E+00			1	TM	<8.0E-01	U//	<1.5E+00			1	TM	pCi/L
Sulfate	550	//				1	WA	530	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	17,000	J/EQ/	NDD			1	WA	<30,000	JU/QV/	<500			1	WA	µg/L
Total organic carbon	1,100	//				1	WA	600	J/I/	NDD			1	WA	µg/L
Total organic halogens	<120	U/J/Q/	<120			1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tritium	3.5E+02	//				1	TM	3.1E+02	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	6.6	J/E/	NDD			1	WA	12	J/I/	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 10AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76997.9 E56990.5	33.289057 °N 81.666300 °W	90.8-80.8 ft msl	300.7 ft msl	4" PVC	S	L. Congaree (IIA)

SAMPLE DATE 11/09/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		157.6	ft msl
pH		8.6	pH
Sp. conductance		180	µS/cm
Water temperature		19.3	°C
Alkalinity as CaCO3		80	mg/L
Turbidity		1	NTU
Volumes purged		2.6	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO3)								95,000	//					1	WA	µg/L
Aluminum, total recoverable								29	J/K/I	NDD				1	WA	µg/L
Antimony, total recoverable								<10	U//	<10				1	GE	µg/L
Arsenic, total recoverable								<5.0	U//	<5.0				1	GE	µg/L
Barium, total recoverable								64	//					1	WA	µg/L
Benzene								<1.0	U//	<1.0				1	GE	µg/L
Boron, total recoverable								10	J//	NDD				1	GE	µg/L
Bromodichloromethane								<1.0	U//	<1.0				1	GE	µg/L
Bromoforn								<1.0	U//	<1.0				1	GE	µg/L
Bromomethane (Methyl bromide)								<1.0	U//	<1.0				1	GE	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<1.0	U//	<1.0				1	GE	µg/L
Carbon-14								<7.0E-01	U//	<9.4E+00				1	GE	pCi/L
Chlorobenzene								<1.0	U//	<1.0				1	GE	µg/L
Chloroethane								<1.0	U//	<1.0				1	GE	µg/L
Chloroethene (Vinyl chloride)								<1.0	U//	<1.0				1	GE	µg/L
2-Chloroethyl vinyl ether								<5.0	U//	<5.0				1	GE	µg/L
Chloroform								<1.0	U//	<1.0				1	GE	µg/L
Chloromethane (Methyl chloride)								<1.0	U//	<1.0				1	GE	µg/L
Chromium, total recoverable								2.1	J//	NDD				1	WA	µg/L
Copper, total recoverable								2.1	J//	NDD				1	WA	µg/L
Dibromochloromethane								<1.0	U//	<1.0				1	GE	µg/L
1,1-Dichloroethane								<1.0	U//	<1.0				1	GE	µg/L
1,2-Dichloroethane								<1.0	U//	<1.0				1	GE	µg/L
1,1-Dichloroethylene								<1.0	U//	<1.0				1	GE	µg/L
trans-1,2-Dichloroethylene								<1.0	U//	<1.0				1	GE	µg/L
Dichloromethane								<5.0	U//	<5.0				1	GE	µg/L
1,2-Dichloropropane								<1.0	U//	<1.0				1	GE	µg/L
cis-1,3-Dichloropropene								<1.0	U//	<1.0				1	GE	µg/L
trans-1,3-Dichloropropene								<1.0	U//	<1.0				1	GE	µg/L
Ethylbenzene								<1.0	U//	<1.0				1	GE	µg/L
Gross alpha								2.1E+00	J//	NDD				1	TM	pCi/L
Iron, total recoverable								77	J/K/I	NDD				1	WA	µg/L
Lead, total recoverable								14	J//	NDD				1	WA	µg/L
Lithium, total recoverable								40	//					1	WA	µg/L
Mercury, total recoverable								<0.20	U//	<0.20				1	GE	µg/L
Nickel, total recoverable								<5.0	U//	<5.0				1	GE	µg/L
Nonvolatile beta								3.3E+00	J//	NDD				1	TM	pCi/L
Phenols								<5.0	U//	<5.0				1	GE	µg/L
Radium, total alpha-emitting								7.5E-01	J//	NDD				1	TM	pCi/L
Selenium, total recoverable								<5.0	U//	<5.0				1	GE	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	GE	µg/L
Strontium-90								<6.0E-02	U//	<1.1E+00				1	GE	pCi/L
Sulfate								6,200	//					1	GE	µg/L
1,1,2,2-Tetrachloroethane								<1.0	U//	<1.0				1	GE	µg/L
Tetrachloroethylene								<1.0	U//	<1.0				1	GE	µg/L
Tin, total recoverable								<10	U//	<10				1	GE	µg/L
Toluene								<1.0	U//	<1.0				1	GE	µg/L
Total dissolved solids								130,000	//					1	GE	µg/L
Total organic carbon								3,800	J//	NDD				1	GE	µg/L
Total organic halogens								<10	U//	<10				1	GE	µg/L
1,1,1-Trichloroethane								<1.0	U//	<1.0				1	GE	µg/L
1,1,2-Trichloroethane								<1.0	U//	<1.0				1	GE	µg/L
Trichloroethylene								<1.0	U//	<1.0				1	GE	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	GE	µg/L
Tritium								<1.1E-01	U//	<7.0E-01				1	TM	pCi/mL
Xylenes								<5.0	JU/Q/	<5.0				1	WA	µg/L
Zinc, total recoverable								7.1	J/K/I	NDD				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 10AR

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

SAMPLE DATE 04/30/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	159.0	158.3	ft msl
pH	6.4	8.2	pH
Sp. conductance	200	200	µS/cm
Water temperature	19.2	22.2	°C
Alkalinity as CaCO ₃	93	95	mg/L
Turbidity	1	0.7	NTU
Volumes purged	3.1	3.3	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Acenaphthene								<10	JU/Q/	<10		●	1	WA	µg/L
Acenaphthylene								<10	JU/Q/	<10		●	1	WA	µg/L
Acetone								<4.1	U/N/	<10			1	WA	µg/L
Acetonitrile (Methyl cyanide)								<20	U//	<20			1	WA	µg/L
Acetophenone								<10	JU/Q/	<10		●	1	WA	µg/L
2-Acetylaminofluorene								<10	JU/Q/	<10		●	1	WA	µg/L
Acrolein								<20	U//	<20			1	WA	µg/L
Acrylonitrile								<5.0	U//	<5.0			1	WA	µg/L
Aldrin								<0.052	U//	<0.052			1	WA	µg/L
Alkalinity (as CaCO ₃)	110,000	//				1	WA	110,000	//				1	WA	µg/L
Allyl chloride								<10	U//	<10			1	WA	µg/L
Aluminum, total recoverable								<150	U//	<150			1	WA	µg/L
4-Aminobiphenyl								<10	JU/Q/	<10		●	1	WA	µg/L
Aniline								<10	JU/Q/	<10		●	1	WA	µg/L
Anthracene								<10	JU/Q/	<10		●	1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Aramite								<21	JU/Q/	<21		●	1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	21	N/				1	WA	19	//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
alpha-Benzene hexachloride								<0.052	U//	<0.052			1	WA	µg/L
beta-Benzene hexachloride								<0.052	U//	<0.052			1	WA	µg/L
delta-Benzene hexachloride								<0.052	U//	<0.052			1	WA	µg/L
Benzo(a)anthracene								<10	JU/Q/	<10		●	1	WA	µg/L
Benzo(b)fluoranthene								<10	JU/Q/	<10		●	1	WA	µg/L
Benzo(k)fluoranthene								<10	JU/Q/	<10		●	1	WA	µg/L
Benzoic acid								<26	JU/Q/	<26		●	1	WA	µg/L
Benzo(g,h,i)perylene								<10	JU/Q/	<10		●	1	WA	µg/L
Benzo(a)pyrene								<10	JU/Q/	<10		●	1	WA	µg/L
Benzyl alcohol								<10	JU/Q/	<10		●	1	WA	µg/L
Beryllium, total recoverable								<0.44	U/N/	<1.6			1	WA	µg/L
Bis(2-chloroethoxy) methane								<10	JU/Q/	<10		●	1	WA	µg/L
Bis(2-chloroethyl) ether								<10	JU/Q/	<10		●	1	WA	µg/L
Bis(2-chloroisopropyl) ether								<10	JU/Q/	<10		●	1	WA	µg/L
Bis(2-ethylhexyl) phthalate								<10	JU/Q/	<10		●	1	WA	µg/L
Boron, total recoverable	<270	U//	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
4-Bromophenyl phenyl ether								<10	JU/Q/	<10		●	1	WA	µg/L
Butylbenzyl phthalate								<10	JU/Q/	<10		●	1	WA	µg/L
2-sec-Butyl-4,6-dinitrophenol								<52	JU/Q/	<52		●	1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon disulfide								<5.0	U//	<5.0			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<-1.4E+02	U//	<1.9E+02			1	TM		R//4				1	WA	pCi/L
alpha-Chlordane								<0.052	U//	<0.052			1	WA	µg/L
gamma-Chlordane								<0.052	U//	<0.052			1	WA	µg/L
4-Chloroaniline								<10	JU/Q/	<10		●	1	WA	µg/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chlorobenzilate								<10	JU/Q/	<10		●	1	WA	µg/L
4-Chloro-m-cresol								<10	JU/Q/	<10		●	1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA								µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloronaphthalene								<10	JU/Q/	<10		●	1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 10AR (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
2-Chlorophenol								<10	JU/Q/	<10		●	1	WA	µg/L
4-Chlorophenyl phenyl ether								<10	JU/Q/	<10		●	1	WA	µg/L
Chloroprene								<5.0	U//	<5.0			1	WA	µg/L
Chromium, total recoverable	1.1	J/E/	NDD			1	WA	<1.1	U//	<7.0			1	WA	µg/L
Chrysene								<10	JU/Q/	<10		●	1	WA	µg/L
Cobalt, total recoverable								<4.5	U//	<4.5			1	WA	µg/L
Copper, total recoverable	18	//				1	WA	2.3	J//	NDD			1	WA	µg/L
m-Cresol (3-Methylphenol)								<10	U//	<10			1	WA	µg/L
o-Cresol (2-Methylphenol)								<10	JU/Q/	<10		●	1	WA	µg/L
p-Cresol (4-Methylphenol)								<10	JU/Q/	<10		●	1	WA	µg/L
Cyanide								<15	U//	<15			1	WA	µg/L
p,p'-DDD								<0.10	U//	<0.10			1	WA	µg/L
p,p'-DDE								<0.10	U//	<0.10			1	WA	µg/L
p,p'-DDT								<0.10	U//	<0.10			1	WA	µg/L
Diallyl								<10	JU/Q/	<10		●	1	WA	µg/L
Dibenz(a,h)anthracene								<10	JU/Q/	<10		●	1	WA	µg/L
Dibenzofuran								<10	JU/Q/	<10		●	1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dibromo-3-chloropropane								<5.0	U//	<5.0			1	WA	µg/L
1,2-Dibromoethane								<5.0	U//	<5.0			1	WA	µg/L
Dibromomethane (Methylene bromide)								<5.0	U//	<5.0			1	WA	µg/L
Di-n-butyl phthalate								<10	JU/Q/	<10		●	1	WA	µg/L
1,2-Dichlorobenzene								<10	JU/Q/	<10		●	1	WA	µg/L
1,3-Dichlorobenzene								<10	JU/Q/	<10		●	1	WA	µg/L
1,4-Dichlorobenzene								<10	JU/Q/	<10		●	1	WA	µg/L
3,3'-Dichlorobenzidine								<10	JU/Q/	<10		●	1	WA	µg/L
trans-1,4-Dichloro-2-butene								<20	U//	<20			1	WA	µg/L
Dichlorodifluoromethane								<10	U//	<10			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<3.4	U//	<5.0			1	WA	<1.3	U//	<5.0		●	1	WA	µg/L
2,4-Dichlorophenol								<10	JU/Q/	<10		●	1	WA	µg/L
2,6-Dichlorophenol								<10	JU/Q/	<10		●	1	WA	µg/L
2,4-Dichlorophenoxyacetic acid								<1.0	U//	<1.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Dieldrin								<0.10	U//	<0.10			1	WA	µg/L
Diethyl phthalate								<10	JU/Q/	<10		●	1	WA	µg/L
Dimethoate								<0.51	U//	<0.51			1	WA	µg/L
2,4-Dimethyl phenol								<10	JU/Q/	<10		●	1	WA	µg/L
Dimethyl phthalate								<10	JU/Q/	<10		●	1	WA	µg/L
p-Dimethylaminoazobenzene								<10	JU/Q/	<10		●	1	WA	µg/L
7,12-Dimethylbenz(a)anthracene								<10	JU/Q/	<10		●	1	WA	µg/L
3,3'-Dimethylbenzidine								<10	JU/Q/	<10		●	1	WA	µg/L
1,3-Dinitrobenzene								<10	JU/Q/	<10		●	1	WA	µg/L
2,4-Dinitrophenol								<26	JU/Q/	<26		●	1	WA	µg/L
2,4-Dinitrotoluene								<10	JU/Q/	<10		●	1	WA	µg/L
2,6-Dinitrotoluene								<10	JU/Q/	<10		●	1	WA	µg/L
Di-n-octyl phthalate								<10	JU/Q/	<10		●	1	WA	µg/L
1,4-Dioxane								<10	JU/Q/	<10		●	1	WA	µg/L
Diphenylamine								<10	JU/Q/	<10		●	1	WA	µg/L
Disulfoton								<0.51	U//	<0.51			1	WA	µg/L
Endosulfan sulfate								<0.10	U//	<0.10			1	WA	µg/L
Endosulfan I								<0.052	U//	<0.052			1	WA	µg/L
Endosulfan II								<0.10	U//	<0.10			1	WA	µg/L
Endrin								<0.10	U//	<0.10			1	WA	µg/L
Endrin aldehyde								<0.10	U//	<0.10			1	WA	µg/L
Ethyl methacrylate								<10	JU/Q/	<10		●	1	WA	µg/L
Ethyl methanesulfonate								<10	JU/Q/	<10		●	1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Famphur								<1.3	U//	<1.3			1	WA	µg/L
Fluoranthene								<10	JU/Q/	<10		●	1	WA	µg/L
Fluorene								<10	JU/Q/	<10		●	1	WA	µg/L
Gross alpha	1.6E+00	//				1	TM	1.5E+00	J//	NDD			1	TM	pCi/L
Heptachlor								<0.052	U//	<0.052			1	WA	µg/L
Heptachlor epoxide								<0.052	U//	<0.052			1	WA	µg/L
Hexachlorobenzene								<10	JU/Q/	<10		●	1	WA	µg/L
Hexachlorobutadiene								<10	JU/Q/	<10		●	1	WA	µg/L
Hexachlorocyclopentadiene								<10	JU/Q/	<10		●	1	WA	µg/L
Hexachlorodibenzo-p-dioxins								<2.4E-04	U//	<2.4E-04			1	WA	µg/L
Hexachlorodibenzo-p-furans								<1.3E-04	U//	<1.3E-04			1	WA	µg/L
Hexachloroethane								<10	JU/Q/	<10		●	1	WA	µg/L
Hexachlorophene								<100	JU/Q/	<100		●	1	WA	µg/L
Hexachloropropene								<10	JU/Q/	<10		●	1	WA	µg/L
2-Hexanone								<10	U//	<10			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 10AR (cont.)

Analyte	2Q98	Mod	Filt	S	H	DF	Lab	4Q98	Mod	Filt	S	H	DF	Lab	Unit	
Indeno(1,2,3-c,d)pyrene								<10	JU/Q/	<10				1	WA	µg/L
Iodomethane (Methyl iodide)								<5.0	U//	<5.0				1	WA	µg/L
Iron, total recoverable								25	J//	NDD				1	WA	µg/L
Isobutyl alcohol								<100	U//	<100				1	WA	µg/L
Isodrin								<0.10	U//	<0.10				1	WA	µg/L
Isophorone								<10	JU/Q/	<10				1	WA	µg/L
Isosafrole								<10	JU/Q/	<10				1	WA	µg/L
Kepone								<0.52	U//	<0.52				1	WA	µg/L
Lead, total recoverable	<47	U//	<47			1	WA	<47	U//	<47				1	WA	µg/L
Lindane								<0.052	U//	<0.052				1	WA	µg/L
Lithium, total recoverable	13	//				1	WA	9.4	//					1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<2.0	U//	<2.0				1	WA	µg/L
Methacrylonitrile								<10	U//	<10				1	WA	µg/L
Methapyrilene								<10	JU/Q/	<10				1	WA	µg/L
Methoxychlor								<0.52	U//	<0.52				1	WA	µg/L
2-Methyl-4,6-dinitrophenol								<26	JU/Q/	<26				1	WA	µg/L
Methyl ethyl ketone								<10	U//	<10				1	WA	µg/L
Methyl isobutyl ketone								<10	U//	<10				1	WA	µg/L
Methyl methacrylate								<10	JU/Q/	<10				1	WA	µg/L
Methyl methanesulfonate								<10	JU/Q/	<10				1	WA	µg/L
3-Methylcholanthrene								<10	JU/Q/	<10				1	WA	µg/L
2-Methylnaphthalene								<10	JU/Q/	<10				1	WA	µg/L
Naphthalene								<10	JU/Q/	<10				1	WA	µg/L
1,4-Naphthoquinone								<10	JU/Q/	<10				1	WA	µg/L
1-Naphthylamine								<10	JU/Q/	<10				1	WA	µg/L
2-Naphthylamine								<10	JU/Q/	<10				1	WA	µg/L
Nickel, total recoverable	110	//				1	WA	<26	U//	<26				1	WA	µg/L
m-Nitroaniline								<26	JU/Q/	<26				1	WA	µg/L
o-Nitroaniline								<26	JU/Q/	<26				1	WA	µg/L
p-Nitroaniline								<26	JU/Q/	<26				1	WA	µg/L
Nitrobenzene								<10	JU/Q/	<10				1	WA	µg/L
2-Nitrophenol								<10	JU/Q/	<10				1	WA	µg/L
4-Nitrophenol								<26	JU/Q/	<26				1	WA	µg/L
4-Nitroquinoline-1-oxide								<21	JU/Q/	<21				1	WA	µg/L
N-Nitrosodi-n-butylamine								<10	JU/Q/	<10				1	WA	µg/L
N-Nitrosodiethylamine								<10	JU/Q/	<10				1	WA	µg/L
N-Nitrosodimethylamine								<10	JU/Q/	<10				1	WA	µg/L
N-Nitrosodiphenylamine								<10	JU/Q/	<10				1	WA	µg/L
N-Nitrosodipropylamine								<10	JU/Q/	<10				1	WA	µg/L
N-Nitrosomethylethylamine								<10	JU/Q/	<10				1	WA	µg/L
N-Nitrosomorpholine								<10	JU/Q/	<10				1	WA	µg/L
N-Nitrosopiperidine								<52	JU/Q/	<52				1	WA	µg/L
N-Nitrosopyrrolidine								<10	JU/Q/	<10				1	WA	µg/L
5-Nitro-o-toluidine								<10	JU/Q/	<10				1	WA	µg/L
Nonvolatile beta	<2.7E-01	U//	<2.2E+00			1	TM	1.5E+00	J//	NDD				1	TM	pCi/L
Parathion ethyl								<0.51	U//	<0.51				1	WA	µg/L
Parathion methyl								<0.51	U//	<0.51				1	WA	µg/L
PCB 1016								<1.0	U//	<1.0				1	WA	µg/L
PCB 1221								<2.1	U//	<2.1				1	WA	µg/L
PCB 1232								<1.0	U//	<1.0				1	WA	µg/L
PCB 1242								<1.0	U//	<1.0				1	WA	µg/L
PCB 1248								<1.0	U//	<1.0				1	WA	µg/L
PCB 1254								<1.0	U//	<1.0				1	WA	µg/L
PCB 1260								<1.0	U//	<1.0				1	WA	µg/L
Pentachlorobenzene								<10	JU/Q/	<10				1	WA	µg/L
Pentachlorodibenzo-p-dioxins								<2.2E-04	U//	<2.2E-04				1	WA	µg/L
Pentachloroethane								<10	JU/Q/	<10				1	WA	µg/L
Pentachloronitrobenzene								<52	JU/Q/	<52				1	WA	µg/L
Pentachlorophenol								<26	JU/Q/	<26				1	WA	µg/L
Phenacetin								<10	JU/Q/	<10				1	WA	µg/L
Phenanthrene								<10	JU/Q/	<10				1	WA	µg/L
Phenol								<10	JU/Q/	<10				1	WA	µg/L
Phenols	<36	U//	<36			1	WA	<37	U//	<37				1	WA	µg/L
p-Phenylenediamine								<10	JU/Q/	<10				1	WA	µg/L
Phorate								<1.0	U//	<1.0				1	WA	µg/L
2-Picoline								<10	JU/Q/	<10				1	WA	µg/L
Pronamid								<10	JU/Q/	<10				1	WA	µg/L
Propionitrile								<50	U//	<50				1	WA	µg/L
Pyrene								<10	JU/Q/	<10				1	WA	µg/L
Pyridine								<10	JU/Q/	<10				1	WA	µg/L
Radium, total alpha-emitting	<1.7E-01	U//	<4.1E-01			1	TM	<10	JU/Q/	<10				1	WA	µg/L
Safrole								<10	JU/Q/	<10				1	WA	µg/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66				1	WA	µg/L
Silver, total recoverable	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Strontium-90	<0.0E+00	U//	<1.7E+00			1	TM	-1.1E-01	U//	<1.0E+00				1	TM	pCi/L
Styrene								<5.0	U//	<5.0				1	WA	µg/L
Sulfate	7,600	//				1	WA	8,000	//					1	WA	µg/L
Sulfide								<10,000	JU/Q/	<100				1	WA	µg/L
Sulfotep								<1.0	U//	<1.0				1	WA	µg/L
2,4,5-T								<0.50	U//	<0.50				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 10AR (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
2,3,7,8-TCDD								<1.5E-04	U//	<1.5E-04			1	WA	µg/L
1,2,4,5-Tetrachlorobenzene								<10	JU/Q/	<10	●		1	WA	µg/L
Tetrachlorodibenzo-p-dioxins								<1.5E-04	U//	<1.5E-04			1	WA	µg/L
Tetrachlorodibenzo-p-furans								<1.0E-04	U//	<1.0E-04			1	WA	µg/L
1,1,1,2-Tetrachloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
2,3,4,6-Tetrachlorophenol								<10	JU/Q/	<10	●		1	WA	µg/L
Thallium, total recoverable								<55	U//	<55			1	WA	µg/L
Thionazin								<0.51	U//	<0.51			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
o-Toluidine								<10	JU/Q/	<10	●		1	WA	µg/L
Total dissolved solids	170,000	//				1	WA	160,000	J/Q/	NDD	●		1	WA	µg/L
Total organic carbon	1,000	//				1	WA	790	J/N/	NDD			1	WA	µg/L
Total organic halogens	<120	UJ/Q/	<120	●		1	WA	<120	U//	<120			1	WA	µg/L
Toxaphene								<5.2	U//	<5.2			1	WA	µg/L
2,4,5-TP (Silvex)								<0.50	U//	<0.50			1	WA	µg/L
1,2,4-Trichlorobenzene								<10	JU/Q/	<10	●		1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
2,4,5-Trichlorophenol								<26	JU/Q/	<26	●		1	WA	µg/L
2,4,6-Trichlorophenol								<10	JU/Q/	<10	●		1	WA	µg/L
1,2,3-Trichloropropane								<5.0	U//	<5.0			1	WA	µg/L
O,O,O-Triethyl phosphorothioate								<0.51	U//	<0.51			1	WA	µg/L
1,3,5-Trinitrobenzene								<10	JU/Q/	<10	●		1	WA	µg/L
Tritium	<-5.0E-02	U//	<6.5E-01			1	TM	-9.6E-01	U//	<1.1E+00			1	TM	pCi/mL
Vanadium, total recoverable								1.1	J//	NDD			1	WA	µg/L
Vinyl acetate								<10	U//	<10			1	WA	µg/L
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	<53	U//	<53			1	WA	<53	U//	<53			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 10B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76982.1 E56978.8	33.289003 °N 81.666300 °W	149.0-139.0 ft msl	301 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE 11/06/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		220.7	ft msl
pH		10.4	pH
Sp. conductance		270	µS/cm
Water temperature		20.0	°C
Alkalinity as CaCO3		74	mg/L
Turbidity		6	NTU
Volumes purged		0.019	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO3)								680,000	//					1	WA	µg/L
Aluminum, total recoverable								1,200	//					1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								77	//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable								30	J//	NDD				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								<2.7E+02	U//	<9.4E+02				1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								2.3	J//	NDD				1	WA	µg/L
Chromium, total recoverable								1.9	J//	NDD				1	WA	µg/L
Copper, total recoverable								3.9	J//	NDD				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<5.9	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								3.8E+00	J//	NDD				1	TM	pCi/L
Iron, total recoverable								110	//					1	WA	µg/L
Lead, total recoverable								<47	U//	<47				1	WA	µg/L
Lithium, total recoverable								180	//					1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								<26	U//	<26				1	WA	µg/L
Nonvolatile beta								1.3E+01	//					1	TM	pCi/L
Phenols								<37	JU//Q/	<37				1	WA	µg/L
Radium, total alpha-emitting								<3.7E-01	U//	<6.0E-01				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Strontium-90								<-1.2E+00	JU//	<1.5E+00				1	TM	pCi/L
Sulfate								2,800	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								110,000	J//Q/	NDD				1	WA	µg/L
Total organic carbon								1,700	//					1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Trichlorofluoromethane								0.94	J//	NDD				1	WA	µg/L
Tritium								2.2E+02	//					1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								<53	U//	<53				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 10C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N76805.2 E57041.1	33.288713 °N 81.665792 °W	167.3-157.3 ft msl	301.3 ft msl	4" PVC	S	Barnwell (IB1)

<u>SAMPLE DATE</u>	04/30/98	11/09/98
--------------------	----------	----------

FIELD DATA

<u>Constituents</u>	2Q98	4Q98	<u>Unit</u>
Water elevation	219.8	221.4	ft msl
pH	10.4	7.9	pH
Sp. conductance	300	200	µS/cm
Water temperature	19.3	20.7	°C
Alkalinity as CaCO3	84	104	mg/L
Turbidity	4	14	NTU
Volumes purged	0.0	0.19	Well vol
Sampling code	XN	XN	

ANALYTICAL DATA

<u>Analyte</u>	<u>2Q98</u>	<u>Mod</u>	<u>Filt.</u>	<u>S</u>	<u>H</u>	<u>DF</u>	<u>Lab</u>	<u>4Q98</u>	<u>Mod</u>	<u>Filt.</u>	<u>S</u>	<u>H</u>	<u>DF</u>	<u>Lab</u>	<u>Unit</u>	
Alkalinity (as CaCO3)	43,000	//				1	WA	110,000	//					1	WA	µg/L
Aluminum, total recoverable								100	J/K/I	NDD				1	WA	µg/L
Antimony, total recoverable	4.8	J/E/	NDD			1	WA	<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40				1	WA	µg/L
Barium, total recoverable	82	N/				1	WA	24	N/					1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable	<270	U//	<270			1	WA	<270	U//	<270				1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<1.6	U/N/	<10				1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Carbon-14	<-9.8E+01	U//	<1.9E+02			1	TM	<6.2E+01	U//	<1.7E+02				1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10				1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<3.2	U/N/	<10				1	WA	µg/L
Chromium, total recoverable	11	//				1	WA	4.9	J//	NDD				1	WA	µg/L
Copper, total recoverable	4.8	J/E/	NDD			1	WA	12	J//	NDD				1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA		U//					1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane	<3.8	U/N/	<5.0			1	WA	<7.0	U/N/	<5.0				1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Gross alpha	1.2E+00	//				1	TM	2.2E+00	J//	NDD				1	TM	pCi/L
Iron, total recoverable								410	J/K/I	NDD				1	WA	µg/L
Lead, total recoverable	<47	U//	<47			1	WA	<47	U//	<47				1	WA	µg/L
Lithium, total recoverable	96	//				1	WA	<1.6	U/N/	<2.7				1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable	<26	U//	<26			1	WA	3.5	J//	NDD				1	WA	µg/L
Nonvolatile beta	3.4E+00	//				1	TM	<5.2E-01	U//	<2.2E+00				1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	JU/Q/	<37				1	WA	µg/L
Radium, total alpha-emitting	<8.1E-01	U/N/	<4.1E-01			1	TM	<3.5E-01	U//	<6.3E-01				1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66				1	WA	µg/L
Silver, total recoverable	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Strontium-90	<0.0E+00	U//	<1.4E+00			1	TM	<9.0E-02	U//	<1.3E+00				1	TM	pCi/L
Sulfate	2,100	//				1	WA	3,000	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70				1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids	66,000	//				1	WA	140,000	J/Q/	NDD				1	WA	µg/L
Total organic carbon	1,900	//				1	WA	180	J//	NDD				1	WA	µg/L
Total organic halogens	<120	U/J/Q/	<120			1	WA	16	J//	NDD				1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Tritium	5.6E+01	//				1	TM	<3.4E-01	U//	<7.1E-01				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable	6.7	J/E/	NDD			1	WA	23	J/K/I	NDD				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 10DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76804.8 E57073.7	33.288765 °N 81.665706 °W	238.3-218.3 ft msl	300.4 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	05/01/98	11/06/98
-------------	----------	----------

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	230.3	231.9	ft msl
pH	6.5	6.5	pH
Sp. conductance	90	60	µS/cm
Water temperature	21.5	20.8	°C
Alkalinity as CaCO ₃	37	30	mg/L
Turbidity	15	11	NTU
Volumes purged	0.0	0.23	Well vol
Sampling code	XN	XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	45,000	//				1	WA	9,500	J//	NDD			1	WA	µg/L
Aluminum, total recoverable						1	WA	<32	U//	<150			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	53	//				1	WA	37	//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	35	J/E/	NDD			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)<10		U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	0.55	J/E/	NDD			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<1.2E+02	U//	<1.8E+02			1	TM	3.2E+03	R//4				1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)<10		U//	<10			1	WA	2.1	J//	NDD			1	WA	µg/L
Chromium, total recoverable	1.4	J/E/	NDD			1	WA	<7.0	U//	<7.0			1	WA	µg/L
Copper, total recoverable	4.9	J/E/	NDD			1	WA	3.4	J//	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene						1	WA	<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<2.8	U//	<5.0			1	WA	<5.7	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	6.5E+00	//				1	TM	5.4E+00	//				1	TM	pCi/L
Iron, total recoverable						1	WA	140	//				1	WA	µg/L
Lead, total recoverable	12	J/E/	NDD			1	WA	8.9	J//	NDD			1	WA	µg/L
Lithium, total recoverable	15	//				1	WA	12	//				1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	5.9	J/E/	NDD			1	WA	3.6	J//	NDD			1	WA	µg/L
Nonvolatile beta	6.5E+00	//				1	TM	5.6E+00	//				1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	JU/Q/	<37			1	WA	µg/L
Radium, total alpha-emitting	1.3E+00	//				1	TM	1.2E+00	J//	NDD			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<3.5E-01	U//	<1.5E+00			1	TM	<1.3E-01	U//	<1.4E+00			1	TM	pCi/L
Sulfate	890	//				1	WA	740	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	61,000	J/Q/	NDD			1	WA	50,000	J/Q/	NDD			1	WA	µg/L
Total organic carbon	3,400	//				1	WA	3,000	//				1	WA	µg/L
Total organic halogens	<120	U/J/Q/	<120			1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trifluoromethane	2.3E+01	//				1	TM	1.6E+01	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	40	J/E/	NDD			1	WA	19	J//	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 11DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76849.3 E56650.4	33.288173 °N 81.666907 °W	233.0-213.1 ft msl	305.2 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE 05/05/98 11/19/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	230.5	231.8	ft msl
pH	4.7	4.7	pH
Sp. conductance	30	35	µS/cm
Water temperature	18.7	19.7	°C
Alkalinity as CaCO3	0	0	mg/L
Turbidity	1	1	NTU
Volumes purged	9.8	4.9	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO3)	<6,700	U//	<6,700			1	WA	<13,000	U//	<130			1	WA	µg/L
Aluminum, total recoverable								33	J//	NDD			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	7.7	N//				1	WA	8.8	//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	38	J/E/	NDD			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	5.3E+04	//				1	TM	1.3E+05	R//4				1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	<1.5	U/N//	<7.0			1	WA	<2.6	U/N//	<7.0			1	WA	µg/L
Copper, total recoverable	18	N//				1	WA	2.9	J//	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	5.9	//				1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	2.3	J/E/	NDD			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<2.3	U/N//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	1.2E+01	//				1	TM	9.1E+00	//				1	TM	pCi/L
Iron, total recoverable								<11	U/N//	<74			1	WA	µg/L
Lead, total recoverable	8.7	J/E/	NDD			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	<0.89	U/N//	<2.7			1	WA	<0.35	U/N//	<2.7			1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	92	//				1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	7.0E+00	//				1	TM	3.4E+00	//				1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	U//	<37			1	WA	µg/L
Radium, total alpha-emitting	3.0E+00	//				1	TM	3.8E+00	//				1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<1.2	U/N//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<0.0E+00	U//	<1.5E+00			1	TM	<7.2E-01	U//	<1.2E+00			1	TM	pCi/L
Sulfate	560	J//Q/2	NDD	●		1	WA	250	J//	NDD			1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	39,000	J/E/	NDD			1	WA	6,000	J//Q/	NDD	●		1	WA	µg/L
Total organic carbon	6,400	N//				1	WA	770	J//	NDD			1	WA	µg/L
Total organic halogens	31	J/EQ/	NDD	●		1	WA	73	J//	NDD			1	WA	µg/L
1,1,1-Trichloroethane	2.6	J/E/	NDD			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	1.1	J//Q/	NDD	●		1	WA	µg/L
Trichlorofluoromethane	1.1	J/E/	NDD			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tritium	6.8E+02	//		■		1	TM	1.8E+05	//		■		1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	5.4	J/E/	NDD			1	WA	<53	U//	<53			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 12AX

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76834.8 E56258.0	33.287501 °N 81.667912 °W	109.5-99.5 ft msl	312.8 ft msl	2" PVC	V	Congaree (IIA)

SAMPLE DATE 04/30/98 11/09/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	157.9	157.3	ft msl
pH	8.2	7.1	pH
Sp. conductance	160	180	µS/cm
Water temperature	20.0	19.3	°C
Alkalinity as CaCO3	178	77	mg/L
Turbidity	1	1	NTU
Volumes purged	11	4.6	Well vol
Sampling code		N	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO3)	87,000	//				1	WA	34,000	//				1	WA	µg/L
Aluminum, total recoverable						1	WA	<23	U//	<150			1	WA	µg/L
Antimony, total recoverable	4.0	J/E/	NDD			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	24	N//				1	WA	23	//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
Boron, total recoverable	<270	U//	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)<10		U//	<10			1	WA	<10	JU/Q/	<10			1	WA	µg/L
Cadmium, total recoverable	1.3	J/E/	NDD			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
Carbon-14	<-1.1E+02	U//	<-1.9E+02			1	TM	1.1E+03	R//	NDD			1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	JU/Q/	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	JU/Q/	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	JU/Q/	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)<10		U//	<10			1	WA	2.2	J//Q/	NDD			1	WA	µg/L
Chromium, total recoverable	3.0	J/E/	NDD			1	WA	<7.0	U//	<7.0			1	WA	µg/L
Copper, total recoverable	410	//				1	WA	1.7	J//	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene						1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
Dichloromethane	<3.9	U//	<5.0			1	WA	<4.9	JU/Q//	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
Gross alpha	1.3E+00	//				1	TM	<5.6E-01	U//	<1.1E+00			1	TM	pCi/L
Iron, total recoverable						1	WA	<19	U//	<74			1	WA	µg/L
Lead, total recoverable	130	//				1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	2.3	J/E/	NDD			1	WA	2.0	J//	NDD			1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	99	//				1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	<1.7E+00	U//	<2.1E+00			1	TM	1.4E+01	//				1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	JU/Q/	<37			1	WA	µg/L
Radium, total alpha-emitting	<2.7E-01	U//	<4.1E-01			1	TM	<2.1E-01	U//	<6.9E-01			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<0.0E+00	U//	<1.7E+00			1	TM	<4.0E-01	U//	<1.2E+00			1	TM	pCi/L
Sulfate	6,700	//				1	WA	6,900	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
Tin, total recoverable	9.1	J/E/	NDD			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
Total dissolved solids	140,000	//				1	WA	140,000	J//Q/	NDD			1	WA	µg/L
Total organic carbon	680	J/E/	NDD			1	WA	300	J//	NDD			1	WA	µg/L
Total organic halogens	<120	U//Q/	<120			1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
Tritium	<-1.2E-01	U//	<6.6E-01			1	TM	<-2.8E-01	U//	<7.0E-01			1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0			1	WA	µg/L
Zinc, total recoverable	420	//				1	WA	<53	U//	<53			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 12CX

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76834.5 E56230.4	33.287455 °N 81.667984 °W	151.2-141.2 ft msl	313.3 ft msl	2" PVC	V	Barnwell/McBean (IIB1)

SAMPLE DATE 05/04/98 12/10/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	230.5	231.4	ft msl
pH	5.4	6.0	pH
Sp. conductance	48	65	µS/cm
Water temperature	17.0	20.0	°C
Alkalinity as CaCO3	3	12	mg/L
Turbidity	2	1.7	NTU
Volumes purged	2.6	0.07	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Acenaphthene								<10	U//	<10				1	WA µg/L
Acenaphthylene								<10	U//	<10				1	WA µg/L
Acetone								<8.9	U//	<20				2	WA µg/L
Acetonitrile (Methyl cyanide)								<40	U//	<40				2	WA µg/L
Acetophenone								<10	U//	<10				1	WA µg/L
2-Acetylaminofluorene								<10	U//	<10				1	WA µg/L
Acrolein								<40	U//	<40				2	WA µg/L
Acrylonitrile								<10	U//	<10				2	WA µg/L
Actinium-228								<5.8E+00	U//	<1.7E+01				1	TM pCi/L
Aldrin								<0.051	U//	<0.051				1	WA µg/L
Alkalinity (as CaCO3)	6,600	J/E/	NDD			1	WA	15,000	N/					1	WA µg/L
Allyl chloride								<20	U//	<20				2	WA µg/L
Aluminum, total recoverable								35	J//	NDD				1	WA µg/L
Americium-241/Curium-246								9.1E-01	J//	NDD				1	TM pCi/L
4-Aminobiphenyl								<10	U//	<10				1	WA µg/L
Aniline								<10	U//	<10				1	WA µg/L
Anthracene								<10	U//	<10				1	WA µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27				1	WA µg/L
Antimony-124								<1.1E+00	U//	<5.0E+00				1	TM pCi/L
Antimony-125								<1.6E+00	U//	<1.1E+01				1	TM pCi/L
Aramite								<20	U//	<20				1	WA µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40				1	WA µg/L
Barium, total recoverable	6.4	N/				1	WA	8.8	N/					1	WA µg/L
Barium-133								<2.1E+00	U//	<5.2E+00				1	TM pCi/L
Benzene	<10	U//	<10			2	WA	<10	U//	<10				2	WA µg/L
alpha-Benzene hexachloride								<0.051	U//	<0.051				1	WA µg/L
beta-Benzene hexachloride								<0.051	U//	<0.051				1	WA µg/L
delta-Benzene hexachloride								<0.051	U//	<0.051				1	WA µg/L
Benzo(a)anthracene								<10	U//	<10				1	WA µg/L
Benzo(b)fluoranthene								<10	U//	<10				1	WA µg/L
Benzo(k)fluoranthene								<10	U//	<10				1	WA µg/L
Benzoic acid								<26	U//	<26				1	WA µg/L
Benzo(g,h,i)perylene								<10	U//	<10				1	WA µg/L
Benzo(a)pyrene								<10	U//	<10				1	WA µg/L
Benzyl alcohol								<10	U//	<10				1	WA µg/L
Beryllium, total recoverable								<1.6	U//	<1.6				1	WA µg/L
Bis(2-chloroethoxy) methane								<10	U//	<10				1	WA µg/L
Bis(2-chloroethyl) ether								<10	U//	<10				1	WA µg/L
Bis(2-chloroisopropyl) ether								<10	U//	<10				1	WA µg/L
Bis(2-ethylhexyl) phthalate								<0.93	U//	<10				1	WA µg/L
Boron, total recoverable	<100	U//	<270			1	WA	<270	U//	<270				1	WA µg/L
Bromodichloromethane	<10	U//	<10			2	WA	<10	U//	<10				2	WA µg/L
Bromoform	<10	U//	<10			2	WA	<10	U//	<10				2	WA µg/L
Bromomethane (Methyl bromide)	<20	U//	<20			2	WA	<20	U//	<20				2	WA µg/L
4-Bromophenyl phenyl ether								<10	U//	<10				1	WA µg/L
Butylbenzyl phthalate								<10	U//	<10				1	WA µg/L
2-sec-Butyl-4,6-dinitrophenol								<51	U//	<51				1	WA µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7				1	WA µg/L
Carbon disulfide								<10	U//	<10				2	WA µg/L
Carbon tetrachloride	<10	U//	<10			2	WA	<10	U//	<10				2	WA µg/L
Carbon-14	7.0E+02	//				1	TM	3.0E+02	R//4	NDD				1	TM pCi/L
Cerium-144								<4.2E+00	U//	<2.8E+01				1	TM pCi/L
Cesium-134								<3.5E+00	U//	<4.8E+00				1	TM pCi/L
Cesium-137								<5.1E-01	U//	<4.7E+00				1	TM pCi/L
alpha-Chlordane								<0.051	U//	<0.051				1	WA µg/L
gamma-Chlordane								<0.051	U//	<0.051				1	WA µg/L
4-Chloroaniline								<10	U//	<10				1	WA µg/L
Chlorobenzene	<10	U//	<10			2	WA	<10	U//	<10				2	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 12CX (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Chlorobenzilate								<10	U//	<10			1	WA	µg/L
4-Chloro-m-cresol								<10	U//	<10			1	WA	µg/L
Chloroethane	<20	U//	<20			2	WA	<20	U//	<20			2	WA	µg/L
Chloroethene (Vinyl chloride)	<20	U//	<20			2	WA	<20	U//	<20			2	WA	µg/L
2-Chloroethyl vinyl ether	<20	U//	<20			2	WA								µg/L
Chloroform	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
Chloromethane (Methyl chloride)<20		U//	<20			2	WA	<20	U//	<20			2	WA	µg/L
2-Chloronaphthalene								<10	U//	<10			1	WA	µg/L
2-Chlorophenol								<10	U//	<10			1	WA	µg/L
4-Chlorophenyl phenyl ether								<10	U//	<10			1	WA	µg/L
Chloroprene								<10	U//	<10			2	WA	µg/L
Chromium, total recoverable	5.3	J/E/	NDD			1	WA	4.6	J//	NDD			1	WA	µg/L
Chrysene								<10	U//	<10			1	WA	µg/L
Cobalt, total recoverable								4.1	J//	NDD			1	WA	µg/L
Cobalt-57								<1.6E-01	U//	<3.5E+00			1	TM	pCi/L
Cobalt-58								<9.8E-01	U//	<5.1E+00			1	TM	pCi/L
Cobalt-60								<7.7E-01	U//	<4.7E+00			1	TM	pCi/L
Copper, total recoverable	21	//				1	WA	3.3	J//	NDD			1	WA	µg/L
m-Cresol (3-Methylphenol)								<10	U//	<10			1	WA	µg/L
o-Cresol (2-Methylphenol)								<10	U//	<10			1	WA	µg/L
p-Cresol (4-Methylphenol)								<10	U//	<10			1	WA	µg/L
Curium-242								<2.0E-02	U//	<3.8E-01			1	TM	pCi/L
Curium-243/244								<1.3E-01	U//	<5.5E-01			1	TM	pCi/L
Cyanide								<15	U//	<15			1	WA	µg/L
p,p'-DDD								<0.10	U//	<0.10			1	WA	µg/L
p,p'-DDE								<0.10	U//	<0.10			1	WA	µg/L
p,p'-DDT								<0.10	U//	<0.10			1	WA	µg/L
Diallate								<10	U//	<10			1	WA	µg/L
Dibenz(a,h)anthracene								<10	U//	<10			1	WA	µg/L
Dibenzofuran								<10	U//	<10			1	WA	µg/L
Dibromochloromethane	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
1,2-Dibromo-3-chloropropane								<10	U//	<10			2	WA	µg/L
1,2-Dibromoethane								<10	U//	<10			2	WA	µg/L
Dibromomethane (Methylene bromide)								<10	U//	<10			2	WA	µg/L
Di-n-butyl phthalate								2.9	J//	NDD			1	WA	µg/L
1,2-Dichlorobenzene								<10	U//	<10			1	WA	µg/L
1,3-Dichlorobenzene								<10	U//	<10			1	WA	µg/L
1,4-Dichlorobenzene								<10	U//	<10			1	WA	µg/L
3,3'-Dichlorobenzidine								<10	U//	<10			1	WA	µg/L
trans-1,4-Dichloro-2-butene								<40	U//	<40			2	WA	µg/L
Dichlorodifluoromethane								<20	U//	<20			2	WA	µg/L
1,1-Dichloroethane	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
1,2-Dichloroethane	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
1,1-Dichloroethylene	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
1,2-Dichloroethylene	<10	U//	<10			2	WA								µg/L
cis-1,2-Dichloroethylene								5.6	J//	NDD			2	WA	µg/L
trans-1,2-Dichloroethylene								<10	U//	<10			2	WA	µg/L
Dichloromethane	<6.4	U//	<10			2	WA	3.4	J//	NDD			2	WA	µg/L
2,4-Dichlorophenol								<10	U//	<10			1	WA	µg/L
2,6-Dichlorophenol								<10	U//	<10			1	WA	µg/L
2,4-Dichlorophenoxyacetic acid								<1.0	U//	<1.0			1	WA	µg/L
1,2-Dichloropropane	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
cis-1,3-Dichloropropene	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
trans-1,3-Dichloropropene	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
Dieldrin								<0.10	U//	<0.10			1	WA	µg/L
Diethyl phthalate								<10	U//	<10			1	WA	µg/L
Dimethoate								<0.51	U//	<0.51			1	WA	µg/L
2,4-Dimethyl phenol								<10	U//	<10			1	WA	µg/L
Dimethyl phthalate								<10	U//	<10			1	WA	µg/L
p-Dimethylaminoazobenzene								<10	U//	<10			1	WA	µg/L
7,12-Dimethylbenz(a)anthracene								<10	U//	<10			1	WA	µg/L
3,3'-Dimethylbenzidine								<10	U//	<10			1	WA	µg/L
a,a-Dimethylphenethylamine								<10	U//	<10			1	WA	µg/L
1,3-Dinitrobenzene								<10	U//	<10			1	WA	µg/L
2,4-Dinitrophenol								<26	U//	<26			1	WA	µg/L
2,4-Dinitrotoluene								<10	U//	<10			1	WA	µg/L
2,6-Dinitrotoluene								<10	U//	<10			1	WA	µg/L
Di-n-octyl phthalate								<10	U//	<10			1	WA	µg/L
1,4-Dioxane								<10	U//	<10			1	WA	µg/L
Diphenylamine								<10	U//	<10			1	WA	µg/L
Disulfoton								<0.51	U//	<0.51			1	WA	µg/L
Endosulfan sulfate								<0.10	U//	<0.10			1	WA	µg/L
Endosulfan I								<0.051	U//	<0.051			1	WA	µg/L
Endosulfan II								<0.10	U//	<0.10			1	WA	µg/L
Endrin								<0.10	U//	<0.10			1	WA	µg/L
Endrin aldehyde								<0.10	U//	<0.10			1	WA	µg/L
Ethyl methacrylate								<10	U//	<10			1	WA	µg/L
Ethyl methanesulfonate								<10	U//	<10			1	WA	µg/L
Ethylbenzene	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
Europium-152								<1.0E+01	U//	<3.7E+01			1	TM	pCi/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 12CX (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Europium-154								<1.7E+00	U//	<1.4E+01			1	TM	pCi/L
Europium-155								<7.0E+00	U//	<1.4E+01			1	TM	pCi/L
Famphur								<1.3	U//	<1.3			1	WA	µg/L
Fluoranthene								<10	U//	<10			1	WA	µg/L
Fluorene								<10	U//	<10			1	WA	µg/L
Gross alpha	<3.8E-01	U//	<9.0E-01			1	TM	6.9E-01	J//	NDD			1	TM	pCi/L
Heptachlor								<0.051	U//	<0.051			1	WA	µg/L
Heptachlor epoxide								<0.051	U//	<0.051			1	WA	µg/L
Hexachlorobenzene								<10	U//	<10			1	WA	µg/L
Hexachlorobutadiene								<10	U//	<10			1	WA	µg/L
Hexachlorocyclopentadiene								<10	U//	<10			1	WA	µg/L
Hexachlorodibenzo-p-dioxins								<2.0E-04	U//	<2.0E-04			1	WA	µg/L
Hexachlorodibenzo-p-furans								<7.0E-05	U//	<7.0E-05			1	WA	µg/L
Hexachloroethane								<10	U//	<10			1	WA	µg/L
Hexachlorophene								<100	U//	<100			1	WA	µg/L
Hexachloropropene								<10	U//	<10			1	WA	µg/L
2-Hexanone								<20	U//	<20			2	WA	µg/L
Indeno(1,2,3-c,d)pyrene								<10	U//	<10			1	WA	µg/L
Iodomethane (Methyl iodide)								<10	U//	<10			2	WA	µg/L
Iron, total recoverable								78	N//				1	WA	µg/L
Isobutyl alcohol								<200	U//	<200			2	WA	µg/L
Isodrin								<0.10	U//	<0.10			1	WA	µg/L
Isophorone								<10	U//	<10			1	WA	µg/L
Isosafrole								<10	U//	<10			1	WA	µg/L
Kepone								<0.51	U//	<0.51			1	WA	µg/L
Lead, total recoverable	6.7	J/E/	NDD			1	WA	<47	U//	<47			1	WA	µg/L
Lead-212								<3.0E+00	U//	<6.3E+00			1	TM	pCi/L
Lindane								<0.051	U//	<0.051			1	WA	µg/L
Lithium, total recoverable	<0.85	U//	<2.7			1	WA	1.4	J//	NDD			1	WA	µg/L
Manganese-54								<3.8E-01	U//	<4.8E+00			1	TM	pCi/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Methacrylonitrile								<20	U//	<20			2	WA	µg/L
Methapyrilene								<10	U//	<10			1	WA	µg/L
Methoxychlor								<0.51	U//	<0.51			1	WA	µg/L
2-Methyl-4,6-dinitrophenol								<26	U//	<26			1	WA	µg/L
Methyl ethyl ketone								<20	U//	<20			2	WA	µg/L
Methyl isobutyl ketone								<20	U//	<20			2	WA	µg/L
Methyl methacrylate								<10	U//	<10			1	WA	µg/L
Methyl methanesulfonate								<10	U//	<10			1	WA	µg/L
3-Methylcholanthrene								<10	U//	<10			1	WA	µg/L
2-Methylnaphthalene								<10	U//	<10			1	WA	µg/L
Naphthalene								<10	U//	<10			1	WA	µg/L
1,4-Naphthoquinone								<10	U//	<10			1	WA	µg/L
1-Naphthylamine								<10	U//	<10			1	WA	µg/L
2-Naphthylamine								<10	U//	<10			1	WA	µg/L
Neptunium-237								<6.0E-02	U//	<2.9E-01			1	TM	pCi/L
Neptunium-239								<2.7E+01	U//	<9.2E+01			1	TM	pCi/L
Nickel, total recoverable	120	//				1	WA	4.5	J//	NDD			1	WA	µg/L
m-Nitroaniline								<26	U//	<26			1	WA	µg/L
o-Nitroaniline								<26	U//	<26			1	WA	µg/L
p-Nitroaniline								<26	U//	<26			1	WA	µg/L
Nitrobenzene								<10	U//	<10			1	WA	µg/L
2-Nitrophenol								<10	U//	<10			1	WA	µg/L
4-Nitrophenol								<26	U//	<26			1	WA	µg/L
4-Nitroquinoline-1-oxide								<20	U//	<20			1	WA	µg/L
N-Nitrosodi-n-butylamine								<10	U//	<10			1	WA	µg/L
N-Nitrosodiethylamine								<10	U//	<10			1	WA	µg/L
N-Nitrosodimethylamine								<10	U//	<10			1	WA	µg/L
N-Nitrosodiphenylamine								<10	U//	<10			1	WA	µg/L
N-Nitrosodipropylamine								<10	U//	<10			1	WA	µg/L
N-Nitrosomethylethylamine								<10	U//	<10			1	WA	µg/L
N-Nitrosomorpholine								<10	U//	<10			1	WA	µg/L
N-Nitrosopiperidine								<51	U//	<51			1	WA	µg/L
N-Nitrosopyrrolidine								<10	U//	<10			1	WA	µg/L
5-Nitro-o-toluidine								<10	U//	<10			1	WA	µg/L
Nonvolatile beta	2.0E+00	//				1	TM	3.8E+00	//				1	TM	pCi/L
Parathion ethyl								<0.51	U//	<0.51			1	WA	µg/L
Parathion methyl								<0.51	U//	<0.51			1	WA	µg/L
PCB 1016								<1.0	U//	<1.0			1	WA	µg/L
PCB 1221								<2.0	U//	<2.0			1	WA	µg/L
PCB 1232								<1.0	U//	<1.0			1	WA	µg/L
PCB 1242								<1.0	U//	<1.0			1	WA	µg/L
PCB 1248								<1.0	U//	<1.0			1	WA	µg/L
PCB 1254								<1.0	U//	<1.0			1	WA	µg/L
PCB 1260								<1.0	U//	<1.0			1	WA	µg/L
Pentachlorobenzene								<10	U//	<10			1	WA	µg/L
Pentachlorodibenzo-p-dioxins								<1.8E-04	U//	<1.8E-04			1	WA	µg/L
Pentachloroethane								<10	U//	<10			1	WA	µg/L
Pentachloronitrobenzene								<51	U//	<51			1	WA	µg/L
Pentachlorophenol								<26	U//	<26			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 12CX (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Phenacetin								<10	U//	<10			1	WA	µg/L
Phenanthrene								<10	U//	<10			1	WA	µg/L
Phenol								<10	U//	<10			1	WA	µg/L
Phenols	<36	U//	<36			1	WA	<37	U//	<37			1	WA	µg/L
p-Phenylenediamine								<10	U//	<10			1	WA	µg/L
Phorate								<1.0	U//	<1.0			1	WA	µg/L
2-Picoline								<10	U//	<10			1	WA	µg/L
Plutonium-238								<5.8E-01	U//	<3.8E-01			1	TM	pCi/L
Plutonium-239/240								<1.6E-01	U//	<2.4E-01			1	TM	pCi/L
Potassium-40								<4.4E+01	U//	<4.5E+01			1	TM	pCi/L
Promethium-144								<3.0E-02	U//	<4.6E+00			1	TM	pCi/L
Promethium-146								<1.2E+00	U//	<8.5E+00			1	TM	pCi/L
Pronamid								<10	U//	<10			1	WA	µg/L
Propionitrile								<100	U//	<100			2	WA	µg/L
Pyrene								<10	U//	<10			1	WA	µg/L
Pyridine								<10	U//	<10			1	WA	µg/L
Radium, total alpha-emitting	5.7E-01	//				1	TM	1.5E+00	J//	NDD			1	TM	pCi/L
Ruthenium-106								<1.8E+00	U//	<4.3E+01			1	TM	pCi/L
Safrole								<10	U//	<10			1	WA	µg/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<5.0	U//	<5.0			1	WA	<0.66	U//	<5.0			1	WA	µg/L
Sodium-22								<5.7E-01	U//	<5.2E+00			1	TM	pCi/L
Strontium-90	<4.9E-01	U//	<1.2E+00			1	TM	<4.6E-01	U//	<1.1E+00			1	TM	pCi/L
Styrene								<10	U//	<10			2	WA	µg/L
Sulfate	1,300	J/Q/	NDD	●		1	WA	1,800	//				1	WA	µg/L
Sulfide								<10,000	U//	<100			1	WA	µg/L
Sulfotep								<1.0	U//	<1.0			1	WA	µg/L
2,4,5-T								<0.50	U//	<0.50			1	WA	µg/L
2,3,7,8-TCDD								<1.9E-04	U//	<1.9E-04			1	WA	µg/L
1,2,4,5-Tetrachlorobenzene								<10	U//	<10			1	WA	µg/L
Tetrachlorodibenzo-p-dioxins								<1.9E-04	U//	<1.9E-04			1	WA	µg/L
Tetrachlorodibenzo-p-furans								<1.1E-04	U//	<1.1E-04			1	WA	µg/L
1,1,1,2-Tetrachloroethane								<10	U//	<10			2	WA	µg/L
1,1,2,2-Tetrachloroethane	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
Tetrachloroethylene	1.9	J/E/	NDD			2	WA	<10	U//	<10			2	WA	µg/L
2,3,4,6-Tetrachlorophenol								<10	U//	<10			1	WA	µg/L
Thallium, total recoverable								<55	U//	<55			1	WA	µg/L
Thionazin								<0.51	U//	<0.51			1	WA	µg/L
Thorium-228								<2.0E-02	U//	<4.4E-01			1	TM	pCi/L
Thorium-230								9.1E-01	J//	NDD			1	TM	pCi/L
Thorium-232								<7.0E-02	U//	<2.6E-01			1	TM	pCi/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Tin-113								<2.8E+00	U//	<4.8E+00			1	TM	pCi/L
Toluene	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
o-Toluidine								<10	U//	<10			1	WA	µg/L
Total dissolved solids	37,000	J/EQ/	NDD	●		1	WA	36,000	J//	NDD			1	WA	µg/L
Total organic carbon	660	J/E/	NDD			1	WA	190	J//	NDD			1	WA	µg/L
Total organic halogens	280	J/Q/	NDD	●		1	WA	180	//				1	WA	µg/L
Toxaphene								<5.1	U//	<5.1			1	WA	µg/L
2,4,5-TP (Silvex)								<0.50	U//	<0.50			1	WA	µg/L
1,2,4-Trichlorobenzene								<10	U//	<10			1	WA	µg/L
1,1,1-Trichloroethane	2.7	J/E/	NDD			2	WA	<10	U//	<10			2	WA	µg/L
1,1,2-Trichloroethane	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
Trichloroethylene	340	//		■		2	WA	190	//				2	WA	µg/L
Trichlorofluoromethane	2.2	J/E/	NDD			2	WA	<10	U//	<10			2	WA	µg/L
2,4,5-Trichlorophenol								<26	U//	<26			1	WA	µg/L
2,4,6-Trichlorophenol								<10	U//	<10			1	WA	µg/L
1,2,3-Trichloropropane								<10	U//	<10			2	WA	µg/L
O,O,O-Triethyl phosphorothioate								<0.51	U//	<0.51			1	WA	µg/L
1,3,5-Trinitrobenzene								<10	U//	<10			1	WA	µg/L
Tritium	1.5E+03	//		■		1	TM	7.7E+01	//				1	TM	pCi/mL
Uranium-234								<3.0E-02	U//	<5.1E-01			1	TM	pCi/L
Uranium-235								<6.0E-02	U//	<5.2E-01			1	TM	pCi/L
Uranium-238								<2.0E-02	U//	<3.3E-01			1	TM	pCi/L
Vanadium, total recoverable								<6.9	U//	<6.9			1	WA	µg/L
Vinyl acetate								<20	U//	<20			2	WA	µg/L
Xylenes	<10	U//	<10			2	WA	<10	U//	<10			2	WA	µg/L
Yttrium-88								<3.6E+00	U//	<5.2E+00			1	TM	pCi/L
Zinc, total recoverable	20	J/E/	NDD			1	WA	11	J//	NDD			1	WA	µg/L
Zinc-65								<6.1E+00	U//	<8.5E+00			1	TM	pCi/L
Zirconium-95								<7.1E+00	U//	<8.7E+00			1	TM	pCi/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 12DR

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N76834.6 E56214.7	33.287430 °N 81.668026 °W	232.8-212.7 ft msl	313.6 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE 04/30/98 11/06/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	220.8	221.7	ft msl
pH	9.8	10.0	pH
Sp. conductance	240	240	µS/cm
Water temperature	21.0	19.5	°C
Alkalinity as CaCO3	97	105	mg/L
Turbidity	1	1	NTU
Volumes purged	12	7.5	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	99,000	//				1	WA	64,000	//				1	WA	µg/L
Aluminum, total recoverable								<140	U//	<150			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	57	N//				1	WA	66	//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Boron, total recoverable	34	J/E/	NDD			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	2.2	J/I/Q/	NDD	●		1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Carbon-14	<-9.0E+01	U//	<1.9E+02			1	TM	<6.6E+02	U//	<9.1E+02			1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	JU/Q/	<10	●		1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	JU/Q/	<10	●		1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	JU/Q/	<10	●		1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	2.3	J/I/Q/	NDD	●		1	WA	µg/L
Chromium, total recoverable	2.0	J/E/	NDD			1	WA	1.7	J/I/	NDD			1	WA	µg/L
Copper, total recoverable	19	//				1	WA	<15	U//	<15			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA				●		1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Dichloromethane	<1.7	U//	<5.0			1	WA	<5.3	JU/QV/	<5.0	●		1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Gross alpha	<7.3E-01	U//	<1.3E+00			1	TM	<1.9E-01	U//	<1.6E+00			1	TM	pCi/L
Iron, total recoverable								<17	U//	<74			1	WA	µg/L
Lead, total recoverable	<47	U//	<47			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	8.9	//				1	WA	12	//				1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	120	//				1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	8.3E+00	//				1	TM	1.0E+01	//				1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	JU/Q/	<37	●		1	WA	µg/L
Radium, total alpha-emitting	<2.7E-01	U//	<4.1E-01			1	TM	6.8E-01	J/I/	NDD			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<3.9E-01	U//	<1.7E+00			1	TM	<5.9E-01	U//	<1.4E+00			1	TM	pCi/L
Sulfate	19,000	//				1	WA	17,000	//				4	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Total dissolved solids	190,000	//				1	WA	180,000	J/Q/	NDD	●		1	WA	µg/L
Total organic carbon	880	J/E/	NDD			1	WA	250	J/I/	NDD	●		1	WA	µg/L
Total organic halogens	<120	U//	<120	●		1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Trichloroethylene	1.0	J/E/	NDD			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Tritium	4.5E+00	//				1	TM	8.1E+00	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Zinc, total recoverable	<53	U//	<53			1	WA	<53	U//	<53			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 13DR

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

SAMPLE DATE	05/05/98	11/06/98
-------------	----------	----------

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	230.5	231.6	ft msl
pH	11.0	9.3	pH
Sp. conductance	740	60	µS/cm
Water temperature	19.0	20.3	°C
Alkalinity as CaCO ₃	208	25	mg/L
Turbidity	6	4	NTU
Volumes purged	0.075	0.14	Well vol
Sampling code	XN	XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	31,000	//				1	WA	4,900	J//	NDD			1	WA	µg/L
Aluminum, total recoverable						1	WA	<54	U//	<150			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	68	//				1	WA	39	//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Boron, total recoverable	<170	U//	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	JU/Q/	<10	●		1	WA	µg/L
Cadmium, total recoverable	1.6	J/E/	NDD			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Carbon-14	<-3.5E+00	U//	<1.8E+02			1	TM	2.1E+03	R//4	NDD			1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	JU/Q/	<10	●		1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	JU/Q/	<10	●		1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	JU/Q/	<10	●		1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<10	JU/Q/	<10	●		1	WA	µg/L
Chromium, total recoverable	7.0	//				1	WA	4.4	J//	NDD			1	WA	µg/L
Copper, total recoverable	5.9	J/E/	NDD			1	WA	4.4	J//	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA				●		1	WA	µg/L
trans-1,2-Dichloroethylene						1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Dichloromethane	<2.3	U//	<5.0			1	WA	<5.1	JU/QV/	<5.0	●		1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Gross alpha	2.2E+00	//				1	TM	1.5E+00	J//	NDD			1	TM	pCi/L
Iron, total recoverable						1	WA	75	//				1	WA	µg/L
Lead, total recoverable	17	J/E/	NDD			1	WA	8.6	J//	NDD			1	WA	µg/L
Lithium, total recoverable	45	//				1	WA	36	//				1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	9.1	J/E/	NDD			1	WA	2.9	J//	NDD			1	WA	µg/L
Nonvolatile beta	2.0E+00	//				1	TM	2.7E+00	J//	NDD			1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	JU/Q/	<37	●		1	WA	µg/L
Radium, total alpha-emitting	1.0E+00	//				1	TM	6.1E-01	J//	NDD			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<0.91	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<0.0E+00	U//	<1.7E+00			1	TM	<1.8E-01	U//	<1.2E+00			1	TM	pCi/L
Sulfate	3,300	//				1	WA	2,500	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Total dissolved solids	70,000	J/Q/	NDD	●		1	WA	39,000	J/Q/	NDD	●		1	WA	µg/L
Total organic carbon	2,100	//				1	WA	590	J//	NDD			1	WA	µg/L
Total organic halogens	<120	U//	<120			1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Tritium	6.8E+01	//		■		1	TM	6.1E+01	//		■		1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Zinc, total recoverable	15	J/E/	NDD			1	WA	17	J//	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

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>Pump</u>	<u>Screen Zone</u>
N76351.8 E55788.9	33.285667 °N 81.668209 °W	106.8-96.8 ft msl	300.7 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	05/04/98	12/21/98
-------------	----------	----------

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	164.6	158.7	ft msl
pH	10.2	11.2	pH
Sp. conductance	200	360	µS/cm
Water temperature	21.0	21.6	°C
Alkalinity as CaCO3	120	136	mg/L
Turbidity	2	1	NTU
Volumes purged	2.2	2.7	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	100,000	//				2	WA	110,000	//						µg/L
Aluminum, total recoverable								320	J/K/L	NDD			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	JU/L/L	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	100	N//				1	WA	110	//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	<140	U//	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<-1.4E+02	U//	<-1.9E+02			1	TM	<8.3E+01	U//	<-1.7E+02			1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	4.0	J/E/	NDD			1	WA	<7.0	U//	<7.0			1	WA	µg/L
Copper, total recoverable	16	//				1	WA	<1.8	U//	<15			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA								µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<3.3	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	3.2E+00	//				1	TM	1.7E+00	J/N/	NDD			1	TM	pCi/L
Iron, total recoverable								25	J/N/	NDD			1	WA	µg/L
Lead, total recoverable	<47	U//	<47			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	42	N//				1	WA	46	//				1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	92	//				1	WA	2.8	J/N/	NDD			1	WA	µg/L
Nonvolatile beta	7.7E+00	//				1	TM	5.8E+00	//				1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	5.1	J/N/	NDD			1	WA	µg/L
Radium, total alpha-emitting	4.5E-01	//				1	TM	1.3E+00	J/N/	NDD			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<1.8	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<0.0E+00	U//	<1.6E+00			1	TM	<8.0E-02	U//	<1.4E+00			1	TM	pCi/L
Sulfate	3,500	J/Q/	NDD			1	WA	2,800	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	130,000	J/Q/	NDD			1	WA	130,000	J/Q/	NDD			1	WA	µg/L
Total organic carbon	940	J/E/	NDD			1	WA	910	J/N/	NDD			1	WA	µg/L
Total organic halogens	<120	U//	<120			1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	1.0	J/E/	NDD			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tritium	2.9E+00	//				1	TM	3.1E+00	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	<53	U//	<53			1	WA	<53	U//	<53			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 14CR

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N76337.8 E55789.0	33.285636 °N 81.668181 °W	200.1-190.1 ft msl	300.5 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE 05/06/98 12/21/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	223.8	223.7	ft msl
pH	6.0	5.4	pH
Sp. conductance	88	34	µS/cm
Water temperature	17.0	21.2	°C
Alkalinity as CaCO3	29	1	mg/L
Turbidity	5	1	NTU
Volumes purged	0.0	3.0	Well vol
Sampling code	XN		

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	32,000	//				1	WA	2,900	J//	NDD			1	WA	µg/L
Aluminum, total recoverable						1	WA	35	J//K/	NDD			1	WA	µg/L
Antimony, total recoverable	10	J/E/	NDD			1	WA	<27	JU/L/	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	18	N/				1	WA	8.0	//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	120	J/E/	NDD			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)<10		U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	0.54	J/E/	NDD			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<-4.8E+01	U//	<1.9E+02			1	TM	4.9E+02	R//4				1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)<10		U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	12	N/				1	WA	1.4	J//	NDD			1	WA	µg/L
Copper, total recoverable	18	N/				1	WA	<2.6	U//	<15			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene						1	WA	<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<3.6	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	2.3E+00	//				1	TM	<6.5E-01	U//	<8.8E-01			1	TM	pCi/L
Iron, total recoverable						1	WA	21	J//	NDD			1	WA	µg/L
Lead, total recoverable	5.0	J/E/	NDD			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	18	N/				1	WA	1.4	J//	NDD			1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	94	//				1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	7.1E+00	J//X/	NDD			1	TM	<8.1E-01	U//	<1.7E+00			1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	U//	<37			1	WA	µg/L
Radium, total alpha-emitting	<3.7E-01	U//	<5.8E-01			1	TM	<4.2E-01	U//	<7.6E-01			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<0.89	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<0.0E+00	U//	<1.5E+00			1	TM	<1.5E-01	U//	<1.4E+00			1	TM	pCi/L
Sulfate	3,000	J//Q/2	NDD			1	WA	1,500	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	1.6	J/E/	NDD			1	WA	3.0	J//	NDD			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	75,000	J//Q/	NDD			1	WA	30,000	J//Q/	NDD			1	WA	µg/L
Total organic carbon	2,400	//				1	WA	130,000	//				10	WA	µg/L
Total organic halogens	43	J//EQ/	NDD			1	WA	50	J//	NDD			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	46	//				1	WA	51	//				1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tritium	2.0E+02	//				1	TM	6.3E+02	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	64	//				1	WA	9.8	J//	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 14DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76322.1 E55789.4	33.285602 °N 81.668150 °W	238.1-218.1 ft msl	300.3 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 05/05/98 12/21/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	225.0	230.8	ft msl
pH	4.6	5.1	pH
Sp. conductance	30	35	µS/cm
Water temperature	21.0	20.7	°C
Alkalinity as CaCO3	1	1	mg/L
Turbidity	1	1	NTU
Volumes purged	22	4.2	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Acenaphthene								<10	JU/Q/	<10		●	1	WA	µg/L	
Acenaphthylene								<10	JU/Q/	<10		●	1	WA	µg/L	
Acetone								<4.0	U/V/	<10				1	WA	µg/L
Acetonitrile (Methyl cyanide)								<20	U//	<20				1	WA	µg/L
Acetophenone								<10	JU/Q/	<10		●	1	WA	µg/L	
2-Acetylaminofluorene								<10	JU/Q/	<10		●	1	WA	µg/L	
Acrolein								<20	U//	<20				1	WA	µg/L
Acrylonitrile								<5.0	U//	<5.0				1	WA	µg/L
Actinium-228								<2.8E+00	U//	<2.7E+01				1	TM	pCi/L
Aldrin								<0.051	U//	<0.051				1	WA	µg/L
Alkalinity (as CaCO3)	670	J/E/	NDD			1	WA	<13,000	U//	<130				1	WA	µg/L
Allyl chloride								<10	U//	<10				1	WA	µg/L
Aluminum, total recoverable								43	J//	NDD				1	WA	µg/L
Americium-241/Curium-246								8.5E-01	J//	NDD				1	TM	pCi/L
4-Aminobiphenyl								<10	JU/Q/	<10		●	1	WA	µg/L	
Aniline								<10	JU/Q/	<10		●	1	WA	µg/L	
Anthracene								<10	JU/Q/	<10		●	1	WA	µg/L	
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27				1	WA	µg/L
Antimony-124								<-1.8E+00	U//	<7.2E+00				1	TM	pCi/L
Antimony-125								<-1.2E+00	U//	<1.6E+01				1	TM	pCi/L
Aramite								<20	JU/Q/	<20		●	1	WA	µg/L	
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40				1	WA	µg/L
Barium, total recoverable	4.7	N//				1	WA	5.0	N//					1	WA	µg/L
Barium-133								<-6.0E-02	U//	<7.4E+00				1	TM	pCi/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
alpha-Benzene hexachloride								<0.051	U//	<0.051				1	WA	µg/L
beta-Benzene hexachloride								<0.051	U//	<0.051				1	WA	µg/L
delta-Benzene hexachloride								<0.051	U//	<0.051				1	WA	µg/L
Benzo(a)anthracene								<10	JU/Q/	<10		●	1	WA	µg/L	
Benzo(b)fluoranthene								<10	JU/Q/	<10		●	1	WA	µg/L	
Benzo(k)fluoranthene								<10	JU/Q/	<10		●	1	WA	µg/L	
Benzoic acid								<26	JU/Q/	<26		●	1	WA	µg/L	
Benzo(g,h,i)perylene								<10	JU/Q/	<10		●	1	WA	µg/L	
Benzo(a)pyrene								<10	JU/Q/	<10		●	1	WA	µg/L	
Benzyl alcohol								<10	JU/Q/	<10		●	1	WA	µg/L	
Beryllium, total recoverable								<1.6	U//	<1.6				1	WA	µg/L
Bis(2-chloroethoxy) methane								<10	JU/Q/	<10		●	1	WA	µg/L	
Bis(2-chloroethyl) ether								<10	JU/Q/	<10		●	1	WA	µg/L	
Bis(2-chloroisopropyl) ether								<10	JU/Q/	<10		●	1	WA	µg/L	
Bis(2-ethylhexyl) phthalate								<10	JU/Q/	<10		●	1	WA	µg/L	
Boron, total recoverable	<270	U//	<270			1	WA	35	J//	NDD				1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10				1	WA	µg/L
4-Bromophenyl phenyl ether								<10	JU/Q/	<10		●	1	WA	µg/L	
Butylbenzyl phthalate								<10	JU/Q/	<10		●	1	WA	µg/L	
2-sec-Butyl-4,6-dinitrophenol								<51	JU/Q/	<51		●	1	WA	µg/L	
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7				1	WA	µg/L
Carbon disulfide								<5.0	U//	<5.0				1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Carbon-14	<2.6E+01	U//	<1.8E+02			1	TM	3.0E+02	R//4	NDD				1	TM	pCi/L
Cerium-144								<-1.7E+00	U//	<3.7E+01				1	TM	pCi/L
Cesium-134								<8.5E-01	U//	<6.4E+00				1	TM	pCi/L
Cesium-137								<-2.2E-01	U//	<7.1E+00				1	TM	pCi/L
alpha-Chlordane								<0.051	U//	<0.051				1	WA	µg/L
gamma-Chlordane								<0.051	U//	<0.051				1	WA	µg/L
4-Chloroaniline								<10	JU/Q/	<10		●	1	WA	µg/L	
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 14DR (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Chlorobenzilate								<10	JU/Q/	<10		●	1	WA	µg/L
4-Chloro-m-cresol								<10	JU/Q/	<10		●	1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA								µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)<10		U//	<10			1	WA	1.4	J/I/8	NDD			1	WA	µg/L
2-Chloronaphthalene								<10	JU/Q/	<10		●	1	WA	µg/L
2-Chlorophenol								<10	JU/Q/	<10		●	1	WA	µg/L
4-Chlorophenyl phenyl ether								<10	JU/Q/	<10		●	1	WA	µg/L
Chloroprene								<5.0	U//	<5.0			1	WA	µg/L
Chromium, total recoverable	1.2	J/E/	NDD			1	WA	<7.0	U//	<7.0			1	WA	µg/L
Chrysene								<10	JU/Q/	<10		●	1	WA	µg/L
Cobalt, total recoverable								<4.5	U//	<4.5			1	WA	µg/L
Cobalt-57								<1.4E-01	U//	<4.5E+00			1	TM	pCi/L
Cobalt-58								<1.3E+00	U//	<8.0E+00			1	TM	pCi/L
Cobalt-60								<1.1E+00	U//	<7.7E+00			1	TM	pCi/L
Copper, total recoverable	31	//				1	WA	100	//				1	WA	µg/L
m-Cresol (3-Methylphenol)								<10	U//	<10			1	WA	µg/L
o-Cresol (2-Methylphenol)								<10	JU/Q/	<10		●	1	WA	µg/L
p-Cresol (4-Methylphenol)								<10	JU/Q/	<10		●	1	WA	µg/L
Curium-242								<3.0E-02	U//	<4.3E-01			1	TM	pCi/L
Curium-243/244								<-1.0E-02	U//	<5.6E-01			1	TM	pCi/L
Cyanide								<15	U//	<15			1	WA	µg/L
p,p'-DDD								<0.10	U//	<0.10			1	WA	µg/L
p,p'-DDE								<0.10	U//	<0.10			1	WA	µg/L
p,p'-DDT								<0.10	U//	<0.10			1	WA	µg/L
Diallate								<10	JU/Q/	<10		●	1	WA	µg/L
Dibenz(a,h)anthracene								<10	JU/Q/	<10		●	1	WA	µg/L
Dibenzofuran								<10	JU/Q/	<10		●	1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dibromo-3-chloropropane								<5.0	U//	<5.0			1	WA	µg/L
1,2-Dibromoethane								<5.0	U//	<5.0			1	WA	µg/L
Dibromomethane (Methylene bromide)								<5.0	U//	<5.0			1	WA	µg/L
Di-n-butyl phthalate								1.4	J/Q/	NDD		●	1	WA	µg/L
1,2-Dichlorobenzene								<10	JU/Q/	<10		●	1	WA	µg/L
1,3-Dichlorobenzene								<10	JU/Q/	<10		●	1	WA	µg/L
1,4-Dichlorobenzene								<10	JU/LQ/1	<10		●	1	WA	µg/L
3,3'-Dichlorobenzidine								<10	JU/Q/	<10		●	1	WA	µg/L
trans-1,4-Dichloro-2-butene								<20	U//	<20			1	WA	µg/L
Dichlorodifluoromethane								<10	U//	<10			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA								µg/L
cis-1,2-Dichloroethylene								5.5	//				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<3.8	U/V/	<5.0			1	WA	<1.4	U/V/	<5.0			1	WA	µg/L
2,4-Dichlorophenol								<10	JU/Q/	<10		●	1	WA	µg/L
2,6-Dichlorophenol								<10	JU/Q/	<10		●	1	WA	µg/L
2,4-Dichlorophenoxyacetic acid								<1.0	U//	<1.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Dieldrin								<0.10	U//	<0.10			1	WA	µg/L
Diethyl phthalate								<10	JU/Q/	<10		●	1	WA	µg/L
Dimethoate								<0.52	U//	<0.52			1	WA	µg/L
2,4-Dimethyl phenol								<10	JU/Q/	<10		●	1	WA	µg/L
Dimethyl phthalate								<10	JU/Q/	<10		●	1	WA	µg/L
p-Dimethylaminoazobenzene								<10	JU/Q/	<10		●	1	WA	µg/L
7,12-Dimethylbenz(a)anthracene								<10	JU/Q/	<10		●	1	WA	µg/L
3,3'-Dimethylbenzidine								<10	JU/Q/	<10		●	1	WA	µg/L
a,a-Dimethylphenethylamine								<10	JU/Q/	<10		●	1	WA	µg/L
1,3-Dinitrobenzene								<10	JU/Q/	<10		●	1	WA	µg/L
2,4-Dinitrophenol								<26	JU/Q/	<26		●	1	WA	µg/L
2,4-Dinitrotoluene								<10	JU/Q/	<10		●	1	WA	µg/L
2,6-Dinitrotoluene								<10	JU/Q/	<10		●	1	WA	µg/L
Di-n-octyl phthalate								<10	JU/Q/	<10		●	1	WA	µg/L
1,4-Dioxane								<10	JU/Q/	<10		●	1	WA	µg/L
Diphenylamine								<10	JU/Q/	<10		●	1	WA	µg/L
Disulfoton								<0.52	U//	<0.52			1	WA	µg/L
Endosulfan sulfate								<0.10	U//	<0.10			1	WA	µg/L
Endosulfan I								<0.051	U//	<0.051			1	WA	µg/L
Endosulfan II								<0.10	U//	<0.10			1	WA	µg/L
Endrin								<0.10	U//	<0.10			1	WA	µg/L
Endrin aldehyde								<0.10	U//	<0.10			1	WA	µg/L
Ethyl methacrylate								<10	JU/Q/	<10		●	1	WA	µg/L
Ethyl methanesulfonate								<10	JU/Q/	<10		●	1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Europium-152								<-6.1E+00	U//	<4.6E+01			1	TM	pCi/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 14DR (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Europium-154								<1.0E-02	U//	<1.9E+01			1	TM	pCi/L
Europium-155								<3.4E+00	U//	<1.2E+01			1	TM	pCi/L
Famphur								<1.4	U//	<1.4			1	WA	µg/L
Fluoranthene								<10	JU/Q/	<10			1	WA	µg/L
Fluorene								<10	JU/Q/	<10			1	WA	µg/L
Gross alpha	6.3E+00	//		1		TM		2.9E+00	//				1	TM	pCi/L
Heptachlor								<0.051	U//	<0.051			1	WA	µg/L
Heptachlor epoxide								<0.051	U//	<0.051			1	WA	µg/L
Hexachlorobenzene								<10	JU/Q/	<10			1	WA	µg/L
Hexachlorobutadiene								<10	JU/Q/	<10			1	WA	µg/L
Hexachlorocyclopentadiene								<10	JU/Q/	<10			1	WA	µg/L
Hexachlorodibenzo-p-dioxins								<3.7E-04	U//	<3.7E-04			1	WA	µg/L
Hexachlorodibenzo-p-furans								<1.1E-04	U//	<1.1E-04			1	WA	µg/L
Hexachloroethane								<10	JU/Q/	<10			1	WA	µg/L
Hexachlorophene								<100	JU/Q/	<100			1	WA	µg/L
Hexachloropropene								<10	JU/Q/	<10			1	WA	µg/L
2-Hexanone								<10	U//	<10			1	WA	µg/L
Indeno(1,2,3-c,d)pyrene								<10	JU/Q/	<10			1	WA	µg/L
Iodomethane (Methyl iodide)								<5.0	U//	<5.0			1	WA	µg/L
Iron, total recoverable								<22	U//	<74			1	WA	µg/L
Isobutyl alcohol								<100	U//	<100			1	WA	µg/L
Isodrin								<0.10	U//	<0.10			1	WA	µg/L
Isophorone								<10	JU/Q/	<10			1	WA	µg/L
Isosafrole								<10	JU/Q/	<10			1	WA	µg/L
Kepone								<0.51	U//	<0.51			1	WA	µg/L
Lead, total recoverable	7.4	J/E/	NDD	1		WA		14	J//	NDD			1	WA	µg/L
Lead-212								<2.8E+00	U//	<9.7E+00			1	TM	pCi/L
Lindane								<0.051	U//	<0.051			1	WA	µg/L
Lithium, total recoverable	<1.3	U//	<2.7	1		WA		1.7	J//	NDD			1	WA	µg/L
Manganese-54								<-1.6E-01	U//	<6.9E+00			1	TM	pCi/L
Mercury, total recoverable	<0.70	U//	<0.70	1		WA		<0.70	U//	<0.70			1	WA	µg/L
Methacrylonitrile								<10	U//	<10			1	WA	µg/L
Methapyrilene								<10	JU/Q/	<10			1	WA	µg/L
Methoxychlor								<0.51	U//	<0.51			1	WA	µg/L
2-Methyl-4,6-dinitrophenol								<26	JU/Q/	<26			1	WA	µg/L
Methyl ethyl ketone								<10	U//	<10			1	WA	µg/L
Methyl isobutyl ketone								<10	U//	<10			1	WA	µg/L
Methyl methacrylate								<10	JU/Q/	<10			1	WA	µg/L
Methyl methanesulfonate								<10	JU/Q/	<10			1	WA	µg/L
3-Methylcholanthrene								<10	JU/Q/	<10			1	WA	µg/L
2-Methylnaphthalene								<10	JU/Q/	<10			1	WA	µg/L
Naphthalene								<10	JU/Q/	<10			1	WA	µg/L
1,4-Naphthoquinone								<10	JU/Q/	<10			1	WA	µg/L
1-Naphthylamine								<10	JU/Q/	<10			1	WA	µg/L
2-Naphthylamine								<10	JU/Q/	<10			1	WA	µg/L
Neptunium-237								<4.0E-02	U//	<3.5E-01			1	TM	pCi/L
Neptunium-239								<3.7E+01	U//	<3.3E+02			1	TM	pCi/L
Nickel, total recoverable	<26	U//	<26	1		WA		<26	U//	<26			1	WA	µg/L
m-Nitroaniline								<26	JU/Q/	<26			1	WA	µg/L
o-Nitroaniline								<26	JU/Q/	<26			1	WA	µg/L
p-Nitroaniline								<26	JU/Q/	<26			1	WA	µg/L
Nitrobenzene								<10	JU/Q/	<10			1	WA	µg/L
2-Nitrophenol								<10	JU/Q/	<10			1	WA	µg/L
4-Nitrophenol								<26	JU/Q/	<26			1	WA	µg/L
4-Nitroquinoline-1-oxide								<20	JU/Q/	<20			1	WA	µg/L
N-Nitrosodi-n-butylamine								<10	JU/Q/	<10			1	WA	µg/L
N-Nitrosodiethylamine								<10	JU/Q/	<10			1	WA	µg/L
N-Nitrosodimethylamine								<10	JU/Q/	<10			1	WA	µg/L
N-Nitrosodiphenylamine								<10	JU/Q/	<10			1	WA	µg/L
N-Nitrosodipropylamine								<10	JU/LQ/	<10			1	WA	µg/L
N-Nitrosomethylethylamine								<10	JU/Q/	<10			1	WA	µg/L
N-Nitrosomorpholine								<10	JU/Q/	<10			1	WA	µg/L
N-Nitrosopiperidine								<51	JU/Q/	<51			1	WA	µg/L
N-Nitrosopyrrolidine								<10	JU/Q/	<10			1	WA	µg/L
5-Nitro-o-toluidine								<10	JU/Q/	<10			1	WA	µg/L
Nonvolatile beta	4.8E+00	//		1		TM		3.4E+00	J//	NDD			1	TM	pCi/L
Parathion ethyl								<0.52	U//	<0.52			1	WA	µg/L
Parathion methyl								<0.52	U//	<0.52			1	WA	µg/L
PCB 1016								<1.0	U//	<1.0			1	WA	µg/L
PCB 1221								<2.1	U//	<2.1			1	WA	µg/L
PCB 1232								<1.0	U//	<1.0			1	WA	µg/L
PCB 1242								<1.0	U//	<1.0			1	WA	µg/L
PCB 1248								<1.0	U//	<1.0			1	WA	µg/L
PCB 1254								<1.0	U//	<1.0			1	WA	µg/L
PCB 1260								<1.0	U//	<1.0			1	WA	µg/L
Pentachlorobenzene								<10	JU/Q/	<10			1	WA	µg/L
Pentachlorodibenzo-p-furans								<2.0E-04	U//	<2.0E-04			1	WA	µg/L
Pentachloroethane								<10	JU/Q/	<10			1	WA	µg/L
Pentachloronitrobenzene								<51	JU/Q/	<51			1	WA	µg/L
Pentachlorophenol								<26	JU/Q/	<26			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 14DR (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Phenacetin								<10	JU/Q/	<10	●	1	1	WA	µg/L
Phenanthrene								<10	JU/Q/	<10	●	1	1	WA	µg/L
Phenol								<10	JU/Q/	<10	●	1	1	WA	µg/L
Phenols	<36	U//	<36			1	WA	<37	U//	<37			1	WA	µg/L
p-Phenylenediamine								<10	JU/Q/	<10	●	1	1	WA	µg/L
Phorate								<1.0	U//	<1.0			1	WA	µg/L
2-Picoline								<10	JU/Q/	<10	●	1	1	WA	µg/L
Plutonium-238								<1.0E-01	U//	<3.9E-01			1	TM	pCi/L
Plutonium-239/240								<1.4E-01	U//	<3.8E-01			1	TM	pCi/L
Potassium-40								<5.1E-01	U//	<6.4E+01			1	TM	pCi/L
Promethium-144								<1.9E+00	U//	<6.6E+00			1	TM	pCi/L
Promethium-146								<-1.3E+00	U//	<1.2E+01			1	TM	pCi/L
Pronamid								<10	JU/Q/	<10	●	1	1	WA	µg/L
Propionitrile								<50	U//	<50			1	WA	µg/L
Pyrene								<10	JU/Q/	<10	●	1	1	WA	µg/L
Pyridine								<10	JU/Q/	<10	●	1	1	WA	µg/L
Radium, total alpha-emitting	1.5E+00	//				1	TM	2.5E+00	J//	NDD			1	TM	pCi/L
Ruthenium-106								<-1.1E+01	U//	<6.0E+01			1	TM	pCi/L
Safrole								<10	JU/Q/	<10	●	1	1	WA	µg/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<1.6	U//	<5.0			1	WA	<0.66	U//	<5.0			1	WA	µg/L
Sodium-22								<2.0E-02	U//	<6.8E+00			1	TM	pCi/L
Strontium-90	<0.0E+00	U//	<1.5E+00			1	TM	<-4.0E-01	U//	<1.6E+00			1	TM	pCi/L
Styrene								<5.0	U//	<5.0			1	WA	µg/L
Sulfate	650	//				1	WA	2,500	//				1	WA	µg/L
Sulfide								<10,000	JU/Q/	<100	●	1	1	WA	µg/L
Sulfotep								<1.0	U//	<1.0			1	WA	µg/L
2,4,5-T								<0.50	U//	<0.50			1	WA	µg/L
2,3,7,8-TCDD								<2.5E-04	U//	<2.5E-04			1	WA	µg/L
1,2,4,5-Tetrachlorobenzene								<10	JU/Q/	<10	●	1	1	WA	µg/L
Tetrachlorodibenzo-p-dioxins								<2.5E-04	U//	<2.5E-04			1	WA	µg/L
Tetrachlorodibenzo-p-furans								<1.8E-04	U//	<1.8E-04			1	WA	µg/L
1,1,1,2-Tetrachloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	1.4	J//	NDD			1	WA	µg/L
2,3,4,6-Tetrachlorophenol								<10	JU/Q/	<10	●	1	1	WA	µg/L
Thallium, total recoverable								<55	U//	<55			1	WA	µg/L
Thionazin								<0.52	U//	<0.52			1	WA	µg/L
Thorium-228								<1.0E-02	U//	<5.0E-01			1	TM	pCi/L
Thorium-230								<7.0E-02	U//	<3.0E-01			1	TM	pCi/L
Thorium-232								<7.0E-02	U//	<3.6E-01			1	TM	pCi/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Tin-113								<-3.6E-01	U//	<7.7E+00			1	TM	pCi/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
o-Toluidine								<10	JU/Q/	<10	●	1	1	WA	µg/L
Total dissolved solids	15,000	J/EQ/	NDD	●	1	1	WA	26,000	J//	NDD	●	1	1	WA	µg/L
Total organic carbon	9,500	/N/				1	WA	1,100	//				1	WA	µg/L
Total organic halogens	24	J/EQ/	NDD	●	1	1	WA	47	J//	NDD			1	WA	µg/L
Toxaphene								<5.1	U//	<5.1			1	WA	µg/L
2,4,5-TP (Silvex)								<0.50	U//	<0.50			1	WA	µg/L
1,2,4-Trichlorobenzene								<10	JU/LQ/	<10	●	1	1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	20	//		■		1	WA	46	//		■		1	WA	µg/L
Trichlorofluoromethane	1.1	J/E/	NDD			1	WA	<5.0	U//	<5.0			1	WA	µg/L
2,4,5-Trichlorophenol								<26	JU/Q/	<26	●	1	1	WA	µg/L
2,4,6-Trichlorophenol								<10	JU/Q/	<10	●	1	1	WA	µg/L
1,2,3-Trichloropropane								<5.0	U//	<5.0			1	WA	µg/L
O,O,O-Triethyl phosphorothioate								<0.52	U//	<0.52			1	WA	µg/L
1,3,5-Trinitrobenzene								<10	JU/Q/	<10	●	1	1	WA	µg/L
Tritium	7.3E+01	//		■		1	TM	2.2E+02	//		■		1	TM	pCi/mL
Uranium-234								<1.4E-01	U//	<3.4E-01			1	TM	pCi/L
Uranium-235								<3.0E-02	U//	<3.4E-01			1	TM	pCi/L
Uranium-238								<2.0E-02	U//	<2.7E-01			1	TM	pCi/L
Vanadium, total recoverable								<6.9	U//	<6.9			1	WA	µg/L
Vinyl acetate								<10	U//	<10			1	WA	µg/L
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Yttrium-88								<-1.4E-01	U//	<5.9E+00			1	TM	pCi/L
Zinc, total recoverable	62	//				1	WA	170	//				1	WA	µg/L
Zinc-65								<-1.1E+00	U//	<1.5E+01			1	TM	pCi/L
Zirconium-95								<2.8E+00	U//	<1.3E+01			1	TM	pCi/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 15D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75973.5 E55859.1	33.284945 °N 81.667289 °W	238.7-218.7 ft msl	298.7 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	05/05/98	12/10/98
-------------	----------	----------

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	229.9	230.3	ft msl
pH	5.0	5.2	pH
Sp. conductance	30	30	µS/cm
Water temperature	21.0	20.8	°C
Alkalinity as CaCO ₃	3	2	mg/L
Turbidity	2	0.7	NTU
Volumes purged	14	5.3	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	1,800	J/E/	NDD			1	WA	<1,900	U/V/	<130			1	WA	µg/L
Aluminum, total recoverable								15	J/N/	NDD			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	11	N/				1	WA	11	N/				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	<29	U/V/	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)<10		U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	1.1E+03	//				1	TM	1.5E+03	R//4				1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	1.1	J/E/	NDD			1	WA	1.6	J/N/	NDD			1	WA	µg/L
Chloromethane (Methyl chloride)<10		U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	0.96	J/E/	NDD			1	WA	1.7	J/N/	NDD			1	WA	µg/L
Copper, total recoverable	14	J/E/	NDD			1	WA	1.6	J/N/	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	1.4	J/E/	NDD			1	WA	2.4	J/N/	NDD			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	1.3	J/N/	NDD			1	WA	µg/L
1,2-Dichloroethylene	1.4	J/E/	NDD			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene								3.4	J/N/	NDD			1	WA	µg/L
Dichloromethane	<2.3	U/V/	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	9.2E+00	//				1	TM	2.8E+00	//				1	TM	pCi/L
Iron, total recoverable								<65	U/V/	<74			1	WA	µg/L
Lead, total recoverable	<47	U//	<47			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	<0.40	U/V/	<2.7			1	WA	<2.7	U//	<2.7			1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<2.0	U//	<2.0			1	WA	µg/L
Nickel, total recoverable	88	//				1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	9.6E+00	//				1	TM	2.1E+00	J/N/	NDD			1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	U//	<37			1	WA	µg/L
Radium, total alpha-emitting	1.2E+00	//				1	TM	1.8E+00	J/N/	NDD			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<1.9	U/V/	<5.0			1	WA	1.2	J/N/	NDD			1	WA	µg/L
Strontium-90	<0.0E+00	U//	<1.4E+00			1	TM	<8.0E-02	U//	<1.0E+00			1	TM	pCi/L
Sulfate	420	//				1	WA	600	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	14	//				1	WA	14	//				1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	26,000	J/EQ/	NDD			1	WA	12,000	J/QC/	NDD			1	WA	µg/L
Total organic carbon	16,000	N/				1	WA	770	J/N/	NDD			1	WA	µg/L
Total organic halogens	190	J/Q/	NDD			1	WA	320	//				1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	120	//				1	WA	200	//				1	WA	µg/L
Trichlorofluoromethane	3.5	J/E/	NDD			1	WA	4.2	J/N/	NDD			1	WA	µg/L
Tritium	2.7E+03	//				1	TM	2.1E+03	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	<53	U//	<53			1	WA	<53	U//	<53			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 16AR

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

<u>SAMPLE DATE</u>	05/11/98	11/10/98
--------------------	----------	----------

FIELD DATA

<u>Constituents</u>	2Q98	4Q98	Unit
Water elevation	162.0	161.1	ft msl
pH	7.9	6.7	pH
Sp. conductance	160	140	µS/cm
Water temperature	21.9	20.7	°C
Alkalinity as CaCO ₃	70	63	mg/L
Turbidity	1	2	NTU
Volumes purged	3.0	3.7	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	85,000	//				1	GE	75,000	//				1	GE	µg/L
Aluminum, total recoverable						1	WA	21	J//	NDD			1	WA	µg/L
Antimony, total recoverable	<10	U//	<10			1	GE	<10	U//	<10			1	GE	µg/L
Arsenic, total recoverable	<5.0	U//	<5.0			1	GE	<5.0	U//	<5.0			1	GE	µg/L
Barium, total recoverable	38	//				1	WA	38	//				1	WA	µg/L
Benzene	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Boron, total recoverable	75	J/E/	NDD			1	WA	10	J//	NDD			1	GE	µg/L
Bromodichloromethane	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Bromoform	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Bromomethane (Methyl bromide)	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Carbon-14	<-1.4E+00	U//	<-1.7E+02			1	TM	<-7.0E-01	U//	<-9.1E+00			1	GE	pCi/L
Chlorobenzene	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Chloroethane	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Chloroethene (Vinyl chloride)	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
2-Chloroethyl vinyl ether	<5.0	U//	<5.0			1	GE	<5.0	U//	<5.0			1	GE	µg/L
Chloroform	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Chloromethane (Methyl chloride)	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Chromium, total recoverable	2.2	J/E/	NDD			1	GE	2.3	J//	NDD			1	WA	µg/L
Copper, total recoverable	15	//				1	WA	3.3	J//	NDD			1	WA	µg/L
Dibromochloromethane	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
1,1-Dichloroethane	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
1,2-Dichloroethane	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
1,1-Dichloroethylene	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA		U//	<1.0			1	GE	µg/L
trans-1,2-Dichloroethylene	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Dichloromethane	<0.96	U//	<1.0			1	GE	<1.3	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
cis-1,3-Dichloropropene	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
trans-1,3-Dichloropropene	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Ethylbenzene	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Gross alpha	1.7E+00	//				1	GP	2.3E+00	//				1	GE	pCi/L
Iron, total recoverable						1	WA	41	J//	NDD			1	WA	µg/L
Lead, total recoverable	<5.0	U//	<5.0			1	GE	<5.0	U//	<5.0			1	GE	µg/L
Lithium, total recoverable	2.2	//				1	GE	1.9	J//	NDD			1	WA	µg/L
Mercury, total recoverable	<0.20	U//	<0.20			1	GE	<0.20	U//	<0.20			1	GE	µg/L
Nickel, total recoverable	<5.0	U//	<5.0			1	GE	<5.0	U//	<5.0			1	GE	µg/L
Nonvolatile beta	2.5E+00	//				1	TM	<1.2E+00	U//	<1.7E+00			1	TM	pCi/L
Phenols	<5.0	U//	<5.0			1	GE	<5.0	U//	<5.0			1	GE	µg/L
Radium, total alpha-emitting	<1.0E-01	U//	<4.9E-01			1	GP	<2.0E-01	U//	<3.0E-01			1	GE	pCi/L
Selenium, total recoverable	1.4	J/E/	NDD			1	GE	<5.0	U//	<5.0			1	GE	µg/L
Silver, total recoverable	<0.80	U//	<5.0			1	WA	<5.0	U//	<5.0			1	GE	µg/L
Strontium-90	1.4E+00	//				1	TM	<1.2E-01	U//	<1.3E+00			1	TM	pCi/L
Sulfate	1,700	J//Q/2	NDD			1	WA	1,200	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Tetrachloroethylene	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Tin, total recoverable	<10	U//	<10			1	GE	<10	U//	<10			1	GE	µg/L
Toluene	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Total dissolved solids	120,000	J//Q/6/	NDD			1	WA	120,000	J//Q/	NDD			1	WA	µg/L
Total organic carbon	16,000	//				1	WA	3,000	J//	NDD			1	GE	µg/L
Total organic halogens	<10	U//	<10			1	GE	<10	U//	<10			1	GE	µg/L
1,1,1-Trichloroethane	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
1,1,2-Trichloroethane	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Trichloroethylene	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Trichlorofluoromethane	0.90	J/E/	NDD			1	WA	<5.0	U//	<5.0			1	GE	µg/L
Tritium	<1.0E-01	U//	<6.5E-01			1	TM	<1.0E-01	U//	<6.6E-01			1	GE	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	6.7	J/E/	NDD			1	WA	3.4	J//	NDD			1	GE	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 16B

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N75767.5 E56183.8	33.285019 °N 81.666034 °W	146.0-136.0 ft msl	305.1 ft msl	4" PVC	S	McBean (IIB ₁)

<u>SAMPLE DATE</u>	05/04/98	11/09/98
--------------------	----------	----------

FIELD DATA

<u>Constituents</u>	2Q98	4Q98	<u>Unit</u>
Water elevation	218.8	218.6	ft msl
pH	7.4	6.9	pH
Sp. conductance	200	180	µS/cm
Water temperature	20.0	20.9	°C
Alkalinity as CaCO ₃	82	80	mg/L
Turbidity	6	4	NTU
Volumes purged	0.037	0.018	Well vol
Sampling code	XN	XN	

ANALYTICAL DATA

<u>Analyte</u>	<u>2Q98</u>	<u>Mod</u>	<u>Filt.</u>	<u>S</u>	<u>H</u>	<u>DF</u>	<u>Lab</u>	<u>4Q98</u>	<u>Mod</u>	<u>Filt.</u>	<u>S</u>	<u>H</u>	<u>DF</u>	<u>Lab</u>	<u>Unit</u>
Alkalinity (as CaCO ₃)	110,000	//				1	WA	120,000	//					1	WA µg/L
Aluminum, total recoverable						1	WA	48	J/K/I	NDD			1	WA µg/L	
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA µg/L	
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA µg/L	
Barium, total recoverable	49	N/				1	WA	51	N/				1	WA µg/L	
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
Boron, total recoverable	<33	U//	<270			1	WA	<270	U//	<270			1	WA µg/L	
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10			1	WA µg/L	
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA µg/L	
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
Carbon-14	<-1.4E+02	U//	<-1.9E+02			1	TM	<-9.3E+00	U//	<-1.8E+02			1	TM pCi/L	
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA µg/L	
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA µg/L	
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA µg/L	
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA µg/L	
Chromium, total recoverable	1.8	J/E/	NDD			1	WA	3.0	J//	NDD			1	WA µg/L	
Copper, total recoverable	18	//				1	WA	7.2	J//	NDD			1	WA µg/L	
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA							1	WA µg/L
trans-1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
Dichloromethane	<5.0	U//	<5.0			1	WA	<7.4	U//	<5.0			1	WA µg/L	
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
Gross alpha	<5.9E-01	U//	<9.3E-01			1	TM	<6.1E-01	U//	<1.5E+00			1	TM pCi/L	
Iron, total recoverable						1	WA	140	J/K/I	NDD			1	WA µg/L	
Lead, total recoverable	7.3	J/E/	NDD			1	WA	<47	U//	<47			1	WA µg/L	
Lithium, total recoverable	44	N/				1	WA	12	N/				1	WA µg/L	
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA µg/L	
Nickel, total recoverable	90	//				1	WA	2.6	J//	NDD			1	WA µg/L	
Nonvolatile beta	1.8E+00	//				1	TM	2.5E+00	J//	NDD			1	TM pCi/L	
Phenols	<36	U//	<36			1	WA	<37	J//	<37			1	WA µg/L	
Radium, total alpha-emitting	<3.3E-01	U//	<3.9E-01			1	TM	<1.6E-01	U//	<6.2E-01			1	TM pCi/L	
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA µg/L	
Silver, total recoverable	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
Strontium-90	<0.0E+00	U//	<1.7E+00			1	TM	<-1.6E-01	U//	<1.2E+00			1	TM pCi/L	
Sulfate	2,400	J/Q/	NDD			1	WA	1,200	//				1	WA µg/L	
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA µg/L	
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
Total dissolved solids	140,000	J/Q/	NDD			1	WA	140,000	J/Q/	NDD			1	WA µg/L	
Total organic carbon	2,500	//				1	WA	1,300	//				1	WA µg/L	
Total organic halogens	<120	U//	<120			1	WA	<120	U//	<120			1	WA µg/L	
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
Tritium	5.3E+00	//				1	TM	3.1E+00	//				1	TM pCi/mL	
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA µg/L	
Zinc, total recoverable	20	J/E/	NDD			1	WA	150	J/K/I	NDD			1	WA µg/L	

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

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>Pump</u>	<u>Screen Zone</u>
N75751.4 E56202.1	33.285013 °N 81.665954 °W	237.3-217.3 ft msl	304.6 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 05/05/98 11/09/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	230.4	231.3	ft msl
pH	6.8	7.0	pH
Sp. conductance	96	80	µS/cm
Water temperature	21.0	20.9	°C
Alkalinity as CaCO3	37	32	mg/L
Turbidity	6	13	NTU
Volumes purged	0.0	0.11	Well vol
Sampling code	XN	XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	43,000	//				1	WA	34,000	//				1	WA	µg/L
Aluminum, total recoverable						1	WA	170	J/K/I	NDD			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	31	N//				1	WA	30	N//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	<270	U//	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)<10		U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	2.4E+02	//				1	TM	4.8E+02	R//4				1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)<10		U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	3.2	J/E/	NDD			1	WA	4.4	J/I/	NDD			1	WA	µg/L
Copper, total recoverable	23	//				1	WA	7.4	J/I/	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<2.1	U/N/	<5.0			1	WA	<7.1	U/N/	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	5.6E+00	//				1	TM	4.7E+00	//				1	TM	pCi/L
Iron, total recoverable								710	J/K/I	NDD			1	WA	µg/L
Lead, total recoverable	22	J/E/	NDD			1	WA	17	J/I/	NDD			1	WA	µg/L
Lithium, total recoverable	<16	U/N/	<2.7			1	WA	16	N//				1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	85	//				1	WA	4.6	J/I/	NDD			1	WA	µg/L
Nonvolatile beta	3.5E+00	//				1	TM	5.2E+00	//				1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	JU/Q/	<37			1	WA	µg/L
Radium, total alpha-emitting	9.3E-01	//				1	TM	<4.7E-01	U//	<6.1E-01			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<1.3E-01	U//	<1.4E+00			1	TM	<3.1E-01	U//	<1.4E+00			1	TM	pCi/L
Sulfate	650	//				1	WA	530	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	55,000	J/Q/	NDD			1	WA	52,000	J/Q/	NDD			1	WA	µg/L
Total organic carbon	9,300	N//				1	WA	140	J/I/	NDD			1	WA	µg/L
Total organic halogens	14	J/EQ/	NDD			1	WA	17	J/I/	NDD			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	14	//				1	WA	6.2	//				1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	1.0	J/I/	NDD			1	WA	µg/L
Tritium	5.2E+02	//				1	TM	4.6E+02	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	24	J/E/	NDD			1	WA	27	J/I/K/I	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 17DR

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N75604.0 E56407.2	33.285022 °N 81.665128 °W	236.9-216.9 ft msl	299.2 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE	05/05/98	11/10/98
-------------	----------	----------

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	231.2	232.0	ft msl
pH	5.0	4.7	pH
Sp. conductance	28	19	µS/cm
Water temperature	20.0	20.6	°C
Alkalinity as CaCO ₃	5	1	mg/L
Turbidity	9	9	NTU
Volumes purged	0.11	0.40	Well vol
Sampling code	XN	XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	6,100	J/E/	NDD			1	WA	1,500	J/V/	NDD			1	WA	µg/L
Aluminum, total recoverable								110	J/V/	NDD			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	16	N//				1	WA	7.6	//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	<31	U/V/	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<6.2E+01	U//	<1.8E+02			1	TM	<1.0E+02	U//	<1.7E+02			1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	13	//				1	WA	<7.0	U//	<7.0			1	WA	µg/L
Copper, total recoverable	23	//				1	WA	2.6	J/V/	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<2.2	U/V/	<5.0			1	WA	<5.0	U/V/	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	3.3E+00	//				1	TM	1.6E+00	J/V/	NDD			1	TM	pCi/L
Iron, total recoverable								110	//				1	WA	µg/L
Lead, total recoverable	6.3	J/E/	NDD			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	<3.3	U/V/	<2.7			1	WA	1.2	J/V/	NDD			1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	90	//				1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	<6.0E-02	U//	<2.3E+00			1	TM	<1.6E+00	U//	<1.7E+00			1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	JU/Q/	<37			1	WA	µg/L
Radium, total alpha-emitting	<2.2E-01	U//	<6.4E-01			1	TM	<6.1E-01	U//	<8.2E-01			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<1.4	U/V/	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<1.0E-01	U//	<1.2E+00			1	TM	<1.3E+00	JU//	<1.4E+00			1	TM	pCi/L
Sulfate	400	//				1	WA	420	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	21,000	J/EQ/	NDD			1	WA	22,000	J/IQ/	NDD			1	WA	µg/L
Total organic carbon	4,400	N//				1	WA	1,700	//				1	WA	µg/L
Total organic halogens	12	J/EQ/	NDD			1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	3.0	J/EO/2	NDD			1	WA	2.7	J/I/	NDD			1	WA	µg/L
Trichlorofluoromethane	1.9	J/EO/2	NDD			1	WA	1.2	J/I/	NDD			1	WA	µg/L
Tritium	1.2E+01	//				1	TM	1.1E+01	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	16	J/E/	NDD			1	WA	<53	U//	<53			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 18A

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

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

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	162.4	161.1	ft msl
pH	7.2	6.3	pH
Sp. conductance	160	160	µS/cm
Water temperature	21.0	19.0	°C
Alkalinity as CaCO3	73	54	mg/L
Turbidity	1	1	NTU
Volumes purged	2.9	3.7	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	78,000	//				1	WA	80,000	//				1	GE	µg/L
Aluminum, total recoverable						1	WA	<50	U//	<50			1	GE	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<10	U//	<10			1	GE	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<5.0	U//	<5.0			1	GE	µg/L
Barium, total recoverable	28	N//				1	WA	32	//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<1.0	U//	<1.0			1	GE	µg/L
Boron, total recoverable	<140	U//	<270			1	WA	33	J//	NDD			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<1.0	U//	<1.0			1	GE	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<1.0	U//	<1.0			1	GE	µg/L
Bromomethane (Methyl bromide)<10		U//	<10			1	WA	<1.0	U//	<1.0			1	GE	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<1.0	U//	<1.0			1	GE	µg/L
Carbon-14	<2.4E+02	U//	<1.9E+02			1	TM	<2.3E+00	U//	<9.1E+00			1	GE	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<1.0	U//	<1.0			1	GE	µg/L
Chloroethane	<10	U//	<10			1	WA	<1.0	U//	<1.0			1	GE	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<1.0	U//	<1.0			1	GE	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<5.0	U//	<5.0			1	GE	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<1.0	U//	<1.0			1	GE	µg/L
Chloromethane (Methyl chloride)<10		U//	<10			1	WA	<1.0	U//	<1.0			1	GE	µg/L
Chromium, total recoverable	1.8	J/E/	NDD			1	WA	<5.0	U//	<5.0			1	GE	µg/L
Copper, total recoverable	15	J/E/	NDD			1	WA	<5.0	U//	<5.0			1	GE	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<1.0	U//	<1.0			1	GE	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<1.0	U//	<1.0			1	GE	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<1.0	U//	<1.0			1	GE	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<1.0	U//	<1.0			1	GE	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	GE	µg/L
trans-1,2-Dichloroethylene						1	WA	<1.0	U//	<1.0			1	GE	µg/L
Dichloromethane	<2.2	U//	<5.0			1	WA	3.8	J//	NDD			1	GE	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<1.0	U//	<1.0			1	GE	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<1.0	U//	<1.0			1	GE	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<1.0	U//	<1.0			1	GE	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<1.0	U//	<1.0			1	GE	µg/L
Gross alpha	2.2E+00	//				1	TM	4.0E+00	//				1	TM	pCi/L
Iron, total recoverable						1	WA	<30	U//	<74			1	WA	µg/L
Lead, total recoverable	8.1	J/E/	NDD			1	WA	<5.0	U//	<5.0			1	GE	µg/L
Lithium, total recoverable	<4.1	U//	<2.7			1	WA	4.5	//				1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.20	U//	<0.20			1	GE	µg/L
Nickel, total recoverable	89	//				1	WA	<5.0	U//	<5.0			1	GE	µg/L
Nonvolatile beta	2.5E+00	//				1	TM	4.1E+00	J//	NDD			1	GE	pCi/L
Phenols	<36	U//	<36			1	WA	<5.0	U//	<5.0			1	GE	µg/L
Radium, total alpha-emitting	4.9E-01	//				1	TM	4.0E-01	J//	NDD			1	GE	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<5.0	U//	<5.0			1	GE	µg/L
Silver, total recoverable	<1.6	U//	<5.0			1	WA	2.1	J//	NDD			1	GE	µg/L
Strontium-90	<7.1E-01	U//	<1.6E+00			1	TM	<5.0E-04	U//	<1.6E+00			1	GE	pCi/L
Sulfate	8,600	J/Q/	NDD			1	WA	8,400	//				1	GE	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<1.0	U//	<1.0			1	GE	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<1.0	U//	<1.0			1	GE	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<10	U//	<10			1	GE	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<1.0	U//	<1.0			1	GE	µg/L
Total dissolved solids	140,000	J/Q/	NDD			1	WA	130,000	J/Q/	NDD			1	WA	µg/L
Total organic carbon	980	J/E/	NDD			1	WA	1,600	J//	NDD			1	GE	µg/L
Total organic halogens	<120	U//	<120			1	WA	<10	U//	<10			1	GE	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<1.0	U//	<1.0			1	GE	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<1.0	U//	<1.0			1	GE	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<1.0	U//	<1.0			1	GE	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	GE	µg/L
Tritium	<2.5E-01	U//	<6.1E-01			1	TM	<4.0E-01	U//	<5.3E-01			1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	<53	U//	<53			1	WA	9.9	//				1	GE	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

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>Pump</u>	<u>Screen Zone</u>
N75600.0 E56711.2	33.285509 °N 81.664320 °W	239.6-219.6 ft msl	294.9 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 05/07/98 11/09/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	231.3	232.2	ft msl
pH	4.2	4.0	pH
Sp. conductance	30	30	µS/cm
Water temperature	21.0	20.3	°C
Alkalinity as CaCO3	0	0	mg/L
Turbidity	1	1	NTU
Volumes purged	7.6	7.1	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	<6,700	U//	<6,700			1	WA	<13,000	U//	<130			1	WA	µg/L
Aluminum, total recoverable							73	J/K/I		NDD			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	12	N//				1	WA	12	N//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	<270	U//	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<-1.8E+02	U//	<-2.0E+02			1	TM	<9.0E+01	U//	<1.8E+02			1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	<7.0	U//	<7.0			1	WA	<7.0	U//	<7.0			1	WA	µg/L
Copper, total recoverable	20	N//				1	WA	4.0	J/I	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<2.3	U/N//	<5.0			1	WA	<7.5	U/N//	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	4.4E+00	//				1	TM	3.7E+00	//				1	TM	pCi/L
Iron, total recoverable							19	J/K/I		NDD			1	WA	µg/L
Lead, total recoverable	4.9	J/E/	NDD			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	<1.3	U/N//	<2.7			1	WA	<1.8	U/N//	<2.7			1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	97	//				1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	6.7E+00	//				1	TM	2.0E+00	J/I/	NDD			1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	JU/Q/	<37			1	WA	µg/L
Radium, total alpha-emitting	5.8E-01	//				1	TM	1.8E+00	J/I/	NDD			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<0.61	U/N//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<0.0E+00	U//	<1.7E+00			1	TM	<1.7E-01	U//	<1.4E+00			1	TM	pCi/L
Sulfate	540	J/I/Q/2	NDD			1	WA	520	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	35,000	J/E/	NDD			1	WA	20,000	J/I/Q/	NDD			1	WA	µg/L
Total organic carbon	400	J/E/	NDD			1	WA	160	J/I/	NDD			1	WA	µg/L
Total organic halogens	40	J/E/Q/	NDD			1	WA	28	J/I/	NDD			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	4.7	J/E/	NDD			1	WA	2.3	J/I/	NDD			1	WA	µg/L
Trichlorofluoromethane	35	//				1	WA	34	//				1	WA	µg/L
Tritium	2.0E+01	//				1	TM	1.8E+01	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	13	J/E/	NDD			1	WA	12	J/I/K/I	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 19DR

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N75520.0 E56800.7	33.285478 °N 81.663929 °W	216.7-196.7 ft msl	293.8 ft msl	2" PVC	V	Water Table (IIB2)

<u>SAMPLE DATE</u>	05/07/98	11/09/98
--------------------	----------	----------

FIELD DATA

<u>Constituents</u>	2Q98	4Q98	<u>Unit</u>
Water elevation	231.2	231.9	ft msl
pH	4.8	4.3	pH
Sp. conductance	30	30	µS/cm
Water temperature	20.0	20.4	°C
Alkalinity as CaCO3	0	0	mg/L
Turbidity	1	1	NTU
Volumes purged	18	2.4	Well vol
Sampling code			

ANALYTICAL DATA

<u>Analyte</u>	<u>2Q98</u>	<u>Mod</u>	<u>Filt.</u>	<u>S</u>	<u>H</u>	<u>DF</u>	<u>Lab</u>	<u>4Q98</u>	<u>Mod</u>	<u>Filt.</u>	<u>S</u>	<u>H</u>	<u>DF</u>	<u>Lab</u>	<u>Unit</u>
Alkalinity (as CaCO ₃)	860	J/E/	NDD			1	WA	1,400	J/I/	NDD			1	WA	µg/L
Aluminum, total recoverable								<150	U/I/	<150			1	WA	µg/L
Antimony, total recoverable	<27	U/I/	<27			1	WA	<27	U/I/	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U/I/	<40			1	WA	<40	U/I/	<40			1	WA	µg/L
Barium, total recoverable	13	N/I/				1	WA	12	I/				1	WA	µg/L
Benzene	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
Boron, total recoverable	41	J/E/	NDD			1	WA	<270	U/I/	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
Bromoform	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U/I/	<10			1	WA	<10	U/I/	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U/I/	<4.7			1	WA	<4.7	U/I/	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
Carbon-14	<2.5E+02	U/I/	<2.0E+02			1	TM	<1.3E+02	U/I/	<1.8E+02			1	TM	pCi/L
Chlorobenzene	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
Chloroethane	<10	U/I/	<10			1	WA	<10	U/I/	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U/I/	<10			1	WA	<10	U/I/	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U/I/	<10			1	WA	<10	U/I/	<10			1	WA	µg/L
Chloroform	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U/I/	<10			1	WA	<10	U/I/	<10			1	WA	µg/L
Chromium, total recoverable	<1.5	U/V/I/	<7.0			1	WA	<7.0	U/I/	<7.0			1	WA	µg/L
Copper, total recoverable	17	N/I/				1	WA	2.8	J/I/	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U/I/	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U/I/	<5.0			1	WA	µg/L
Dichloromethane	<5.8	U/V/I/	<5.0			1	WA	<6.6	U/V/I/	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
Gross alpha	3.6E+00	I/				1	TM						1	WA	pCi/L
Iron, total recoverable								10	J/I/K/I/	NDD			1	WA	µg/L
Lead, total recoverable	<47	U/I/	<47			1	WA	<47	U/I/	<47			1	WA	µg/L
Lithium, total recoverable	<0.65	U/V/I/	<2.7			1	WA	0.61	J/I/	NDD			1	WA	µg/L
Mercury, total recoverable	<0.70	U/I/	<0.70			1	WA	<0.70	U/I/	<0.70			1	WA	µg/L
Nickel, total recoverable	96	I/				1	WA	<26	U/I/	<26			1	WA	µg/L
Nonvolatile beta	2.1E+00	I/				1	TM	<9.1E-01	U/I/	<1.8E+00			1	TM	pCi/L
Phenols	<36	U/I/	<36			1	WA	<37	JU/Q/	<37			1	WA	µg/L
Radium, total alpha-emitting	<4.4E-01	U/I/	<5.3E-01			1	TM	1.2E+00	J/I/	NDD			1	TM	pCi/L
Selenium, total recoverable	<66	U/I/	<66			1	WA	<66	U/I/	<66			1	WA	µg/L
Silver, total recoverable	<0.62	U/V/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
Strontium-90	<0.0E+00	U/I/	<1.9E+00			1	TM	<1.3E-01	U/I/	<1.2E+00			1	TM	pCi/L
Sulfate	270	J/E/IQ/2	NDD			1	WA	280	J/I/	NDD			1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U/I/	<70			1	WA	<70	U/I/	<70			1	WA	µg/L
Toluene	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
Total dissolved solids	39,000	J/E/	NDD			1	WA	28,000	J/I/Q/	NDD			1	WA	µg/L
Total organic carbon	7,500	I/				1	WA	180	J/I/	NDD			1	WA	µg/L
Total organic halogens	<120	U/J/Q/	<120			1	WA	<120	U/I/	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
Trichloroethylene	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
Trichlorofluoromethane	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
Tritium	1.1E+02	I/				1	TM	1.0E+02	I/				1	TM	pCi/mL
Xylenes	<5.0	U/I/	<5.0			1	WA	<5.0	U/I/	<5.0			1	WA	µg/L
Zinc, total recoverable	<53	U/I/	<53			1	WA	7.4	J/I/K/I/	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 20A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74966.4 E57100.4	33.284743 °N 81.662064 °W	96.3-86.3 ft msl	283.9 ft msl	2" PVC	V	U. Congaree (IIA)

SAMPLE DATE	05/06/98	11/09/98
-------------	----------	----------

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	163.9	163.1	ft msl
pH	7.4	8.6	pH
Sp. conductance	170	200	µS/cm
Water temperature	20.0	20.4	°C
Alkalinity as CaCO ₃	76	87	mg/L
Turbidity	1	1	NTU
Volumes purged	6.0	3.7	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	92,000	//				1	WA	97,000	//				1	WA	µg/L
Aluminum, total recoverable						1	WA	51	J/K/I	NDD			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	58	N//				1	WA	43	N//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	41	J/E/	NDD			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<-1.9E+02	U//	<-1.9E+02			1	TM	<1.4E+00	U//	<1.8E+02			1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	<3.4	U//	<7.0			1	WA	1.1	J//	NDD			1	WA	µg/L
Copper, total recoverable	17	N//				1	WA	13	J//	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,2-Dichloroethylene	<3.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	<1.1E+00	U//	<1.4E+00			1	TM	<4.5E-01	U//	<1.9E+00			1	TM	pCi/L
Iron, total recoverable						1	WA	26	J/K/I	NDD			1	WA	µg/L
Lead, total recoverable	<47	U//	<47			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	29	N//				1	WA	32	N//				1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	94	//				1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	1.2E+01	J/X/	NDD			1	TM	2.3E+01	//				1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	JU/Q/	<37			1	WA	µg/L
Radium, total alpha-emitting	<0.0E+00	U//	<5.8E-01			1	TM	<4.1E-01	U//	<6.2E-01			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<1.5	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<0.0E+00	U//	<1.5E+00			1	TM	<2.4E-01	U//	<1.2E+00			1	TM	pCi/L
Sulfate	6,900	J/IQ/2	NDD			1	WA	6,600	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	150,000	J/Q/	NDD			1	WA	140,000	J/Q/	NDD			1	WA	µg/L
Total organic carbon	590	J/E/	NDD			1	WA	220	J/N/	NDD			1	WA	µg/L
Total organic halogens	<120	U/J/Q/	<120			1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tritium	<-3.0E-02	U//	<-6.2E-01			1	TM	<-3.0E-02	U//	<-6.9E-01			1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	7.6	J/E/	NDD			1	WA	12	J/K/I	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 20AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74949.8 E57089.5	33.284688 °N 81.662061 °W	28.3-18.3 ft msl	283.6 ft msl	2" PVC	V	McBean (IIB ₁)

SAMPLE DATE 05/06/98 11/09/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	162.5	161.7	ft msl
pH	8.8	9.1	pH
Sp. conductance	140	170	µS/cm
Water temperature	21.0	20.0	°C
Alkalinity as CaCO ₃	77	65	mg/L
Turbidity	1	1	NTU
Volumes purged	3.3	3.0	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	77,000	//				1	WA	82,000	//				1	WA	µg/L
Aluminum, total recoverable						1	WA	34	J/K/L	NDD			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	64	N//				1	WA	73	N//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	31	J/E/	NDD			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<-1.5E+02	U//	<-1.9E+02			1	TM	<-1.3E+01	U//	<-1.8E+02			1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	<7.0	U//	<7.0			1	WA	<7.0	U//	<7.0			1	WA	µg/L
Copper, total recoverable	15	N//				1	WA	1.9	J/N/	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<3.0	U/N/	<5.0			1	WA	<7.4	U/N/	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	<1.1E+00	U//	<1.3E+00			1	TM			<5.0			1	WA	pCi/L
Iron, total recoverable								270	J/K/L	NDD			1	WA	µg/L
Lead, total recoverable	<47	U//	<47			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	39	N//				1	WA	39	N//				1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	94	//				1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	1.0E+01	J/X/	NDD			1	TM	8.0E+00	//				1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	JU/Q/	<37			1	WA	µg/L
Radium, total alpha-emitting	<4.2E-01	U//	<5.7E-01			1	TM	<1.6E-01	U//	<6.0E-01			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<1.6	U/N/	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<4.0E-01	U//	<1.4E+00			1	TM	<5.7E-01	U//	<1.4E+00			1	TM	pCi/L
Sulfate	9,600	J/I/Q/2	NDD			2	WA	8,900	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	160,000	J/Q/	NDD			1	WA	140,000	J/Q/	NDD			1	WA	µg/L
Total organic carbon	590	J/E/	NDD			1	WA	140	J/N/	NDD			1	WA	µg/L
Total organic halogens	<120	U/J/Q/	<120			1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tritium	<5.6E-01	U//	<6.2E-01			1	TM	<5.0E-02	U//	<7.1E-01			1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	<53	U//	<53			1	WA	<53	U//	<53			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 20B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74951.5 E57119.8	33.284742 °N 81.661984 °W	141.0-131.0 ft msl	283.5 ft msl	2" PVC	V	McBean (IIB ₁)

SAMPLE DATE 05/06/98 10/28/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	228.7	228.4	ft msl
pH	6.2	6.1	pH
Sp. conductance	96	100	µS/cm
Water temperature	21.0	19.8	°C
Alkalinity as CaCO ₃	40	19	mg/L
Turbidity	1	4	NTU
Volumes purged	2.4	3.2	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	50,000	//				1	WA	40,000	//				1	WA	µg/L
Aluminum, total recoverable						1	WA	<150	U//	<150			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	12	N//				1	WA	11	N//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	<270	U//	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)<10		U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<-1.8E+02	U//	<2.0E+02			1	TM	<-5.5E+01	U//	<1.8E+02			1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)<10		U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	9.2	N//				1	WA	5.7	J//	NDD			1	WA	µg/L
Copper, total recoverable	16	N//				1	WA	3.0	J//	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<3.1	U//	<5.0			1	WA	<7.3	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	<5.2E-01	U//	<1.0E+00			1	TM	<4.9E-01	U//	<1.3E+00			1	TM	pCi/L
Iron, total recoverable								20	J//K//	NDD			1	WA	µg/L
Lead, total recoverable	6.1	J//E//	NDD			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	<1.5	U//	<2.7			1	WA	<1.1	U//	<2.7			1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	100	//				1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	<7.0E-02	U//				1	TM	<1.9E-01	U//	<2.0E+00			1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	JU//Q//	<37			1	WA	µg/L
Radium, total alpha-emitting	<1.1E-01	U//	<5.7E-01			1	TM	<2.4E-01	U//	<6.5E-01			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<2.6	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	1.2E+01	//				1	TM	<-1.1E+00	JU//	<1.4E+00			1	TM	pCi/L
Sulfate	880	J//Q//2	NDD			1	WA	770	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	93,000	J//Q//	NDD			1	WA	68,000	J//Q//	NDD			1	WA	µg/L
Total organic carbon	930	J//E//	NDD			1	WA	140	J//	NDD			1	WA	µg/L
Total organic halogens	<120	U//J//Q//	<120			1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tritium	<3.1E-01	U//	<6.0E-01			1	TM	<2.8E-01	U//	<7.1E-01			1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	<53	U//	<53			1	WA	<53	U//	<53			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 20C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N74937.6 E57106.0	33.284688 °N 81.661993 °W	184.0-174.0 ft msl	283.5 ft msl	2" PVC	V	Bamwell (IIB ₁)

<u>SAMPLE DATE</u>	05/06/98	11/09/98
--------------------	----------	----------

FIELD DATA

<u>Constituents</u>	2Q98	4Q98	Unit
Water elevation	230.1	229.6	ft msl
pH	5.4	5.1	pH
Sp. conductance	28	25	µS/cm
Water temperature	20.0	19.5	°C
Alkalinity as CaCO ₃	4	2	mg/L
Turbidity	0	0	NTU
Volumes purged	7.4	5.5	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	3,800	J/E/	NDD			1	WA	3,300	J/I/	NDD			1	WA	µg/L
Aluminum, total recoverable							WA	<150	U//	<150			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	4.8	N//				1	WA	6.0	N//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	31	J/E/	NDD			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<-1.6E+01	U//	<-1.9E+02			1	TM	<-1.1E+02	U//	<-1.8E+02			1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<11	U//	<10			1	WA	µg/L
Chromium, total recoverable	<4.2	U//	<7.0			1	WA	3.5	J/I/	NDD			1	WA	µg/L
Copper, total recoverable	16	N//				1	WA	2.7	J/I/	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene							WA	<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<2.9	U//	<5.0			1	WA	<7.6	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	<2.2E-01	U//	<8.9E-01			1	TM	<1.9E-01	U//	<1.1E+00			1	TM	pCi/L
Iron, total recoverable							WA	20	J/I/K/	NDD			1	WA	µg/L
Lead, total recoverable	12	J/E/	NDD			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	<3.1	U//	<2.7			1	WA	<2.2	U//	<2.7			1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	100	//				1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	<4.5E-01	U//				1	TM	<7.2E-01	U//	<1.8E+00			1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	JU/Q/	<37			1	WA	µg/L
Radium, total alpha-emitting	<0.0E+00	U//	<5.7E-01			1	TM	<4.0E-02	U//	<6.3E-01			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<1.1	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<0.0E+00	U//	<1.8E+00			1	TM	<3.5E-01	U//	<1.3E+00			1	TM	pCi/L
Sulfate	560	J/I/Q/2	NDD			1	WA	530	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	42,000	J/E/Q/	NDD			1	WA	26,000	J/I/Q/	NDD			1	WA	µg/L
Total organic carbon	570	J/E/	NDD			1	WA	130	J/I/	NDD			1	WA	µg/L
Total organic halogens	<120	U//	<120			1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tritium	3.9E+00	//				1	TM	4.7E+00	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	<53	U//	<53			1	WA	5.3	J/I/K/	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 20D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74962.2 E57113.8	33.284755 °N 81.662021 °W	236.3-216.3 ft msl	283.7 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 05/06/98 10/28/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	233.4	234.2	ft msl
pH	5.2	4.5	pH
Sp. conductance	54	55	µS/cm
Water temperature	19.0	20.7	°C
Alkalinity as CaCO3	8	5	mg/L
Turbidity	14	7	NTU
Volumes purged	0.089	1.0	Well vol
Sampling code	XN	XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	13,000	//				1	WA	23,000	//				1	WA	µg/L
Aluminum, total recoverable						1	WA	130	J/K/I	NDD			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	42	N//				1	WA	40	N//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	32	J/E/	NDD			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	1.1	J/E/	NDD			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<-1.4E+02	U//	<-1.9E+02			1	TM	<-2.3E+01	U//				1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	<2.6	U/N//	<7.0			1	WA	1.8	J/N//	NDD			1	WA	µg/L
Copper, total recoverable	18	N//				1	WA	68	//				1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene	<3.1	U/N//	<5.0			1	WA	<3.3	U/N//	<5.0			1	WA	µg/L
Dichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	2.0E+00	//				1	TM	2.06	J/I				1	TM	pCi/L
Iron, total recoverable						1	WA	450	J/K/I	NDD			1	WA	µg/L
Lead, total recoverable	18	J/E/	NDD			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	<1.8	U/N//	<2.7			1	WA	<1.3	U/N//	<2.7			1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	100	//				1	WA	7.4	J/N//	NDD			1	WA	µg/L
Nonvolatile beta	<6.6E-01	U/IJ/X/				1	TM	<1.5E+00	U				1	WA	pCi/L
Phenols	<36	U//	<36			1	WA	<37	JU/Q/	<37			1	WA	µg/L
Radium, total alpha-emitting	<4.7E-01	U//	<5.6E-01			1	TM	9.2E-01	J/I				1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<1.4	U/N//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<4.0E-02	U//	<1.5E+00			1	TM	<-4.6E-01	U				1	TM	pCi/L
Sulfate	330	J/E/Q/2	NDD			1	WA	430	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	<47,000	UJ/Q/	<47,000			1	WA	42,000	J/Q/	NDD			1	WA	µg/L
Total organic carbon	880	J/E/	NDD			1	WA	220	J/I/	NDD			1	WA	µg/L
Total organic halogens	<120	UJ/Q/	<120			1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tritium	2.7E+01	//				1	TM	27E+01					1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	23	J/E/	NDD			1	WA	85	J/K/I	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 21D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N74688.5 E57470.7	33.284732 °N 81.660549 °W	237.7-217.7 ft msl	285.4 ft msl	4" PVC	S	Water Table (IIB2)

<u>SAMPLE DATE</u>	05/07/98	12/09/98
--------------------	----------	----------

FIELD DATA

<u>Constituents</u>	2Q98	4Q98	<u>Unit</u>
Water elevation	234.4	234.4	ft msl
pH	5.4	5.7	pH
Sp. conductance	48	50	µS/cm
Water temperature	24.0	23.8	°C
Alkalinity as CaCO3	7	4	mg/L
Turbidity	14	13.4	NTU
Volumes purged	0.092	0.2	Well vol
Sampling code	XN	XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	4,700	J/E/	NDD			1	WA	6,700	J/N/	NDD			1	WA	µg/L
Aluminum, total recoverable								130	J/N/	NDD			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<4.1	U/N/	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	48	N/				1	WA	42	//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	<270	U//	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<-2.3E+02	U//	<-2.0E+02			1	TM	<2.3E+01	U//	<-1.8E+02			1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	<2.7	U/N/	<7.0			1	WA	1.6	J/N/	NDD			1	WA	µg/L
Copper, total recoverable	27	N/				1	WA	12	J/N/	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<2.0	U/N/	<5.0			1	WA	<2.2	U/N/	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	3.9E+00	//				1	TM	2.0E+00	J/N/	NDD			1	TM	pCi/L
Iron, total recoverable								610	//				1	WA	µg/L
Lead, total recoverable	5.7	J/E/	NDD			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	15	N/				1	WA	11	//				1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	110	//				1	WA	3.2	J/N/	NDD			1	WA	µg/L
Nonvolatile beta	3.7E+00	//				1	TM	2.4E+00	J/N/	NDD			1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	U//	<37			1	WA	µg/L
Radium, total alpha-emitting	6.2E-01	//				1	TM	<2.5E-01	U//	<1.3E+00			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<2.1	U/N/	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<3.3E-01	U//	<1.6E+00			1	TM	<-1.2E+00	JU//	<1.8E+00			1	TM	pCi/L
Sulfate	240	J/Q/2	NDD			1	WA	1,200	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	49,000	//				1	WA	27,000	J/N/	NDD			1	WA	µg/L
Total organic carbon	8,300	//				1	WA	610	J/N/	NDD			1	WA	µg/L
Total organic halogens	36	J/EQ/	NDD			1	WA	30	J/N/	NDD			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tritium	3.1E+01	//				1	TM	2.5E+01	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	48	J/E/	NDD			1	WA	56	//				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 22DX

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74560.5 E57770.7	°N 237.9-217.9 ft msl °W	285.7 ft msl	2" PVC	V		Water Table (IIB2)

SAMPLE DATE	05/07/98	12/09/98
-------------	----------	----------

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	234.7	235.1	ft msl
pH	4.4	3.9	pH
Sp. Conductance	44	46	µS/cm
Water temperature	20.0	20.6	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	1	2	NTU
Volumes purged	18	2.8	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	<6,700	U//	<6,700			1	WA	<13,000	U//	<130			1	WA	µg/L
Aluminum, total recoverable								40	J/K/I	NDD			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	0.83	J/E/	NDD			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	46	N/				1	WA	52	N/				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	<270	U//	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//		<10				1	WA	<10	U//	<10	1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<2.0E+02	U//	<2.0E+02			1	TM	<7.5E+01	U//				1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//		<10				1	WA	<10	U//	<10	1	WA	µg/L
Chromium, total recoverable	<2.4	U//	<7.0			1	WA	1.1	J/N/	NDD			1	WA	µg/L
Copper, total recoverable	18	N/				1	WA	7.4	J/N/	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane (Methylene chlorid	<4.1	U//		<5.0				1	WA	<8.1	U//	<5.0	1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	6.3E+00	//				1	TM	6.9					1	TM	pCi/L
Iron, total recoverable								24	J/K/I	NDD			1	WA	µg/L
Lead, total recoverable	5.2	J/E/	NDD			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	<0.71	U//	<2.7			1	WA	<0.51	U//	<2.7			1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	95	//				1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	6.1E+00	//				1	TM	3.34E+00	J/I				1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	JU/Q/	<37			1	WA	µg/L
Radium, total alpha-emitting	9.5E-01	//				1	TM	2.1E+00					1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<0.0E+00	U//	<1.5E+00			1	TM	<7.4-01	U//				1	TM	pCi/L
Sulfate	290	J/EI/Q/2	NDD			1	WA	460	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	36,000	J/E/	NDD			1	WA	38,000	J/I/Q/	NDD			1	WA	µg/L
Total organic carbon	14,000	//				1	WA	620	J/N/	NDD			1	WA	µg/L
Total organic halogens	14	J/EQ/	NDD			1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tritium	2.4E+01	//				1	TM	2.3E+01	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	6.5	J/E/	NDD			1	WA	8.4	J/I/K/I	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent 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>Pump</u>	<u>Screen Zone</u>
N74238.1 E58133.0	33.284817 °N 81.657930 °W	242.0-222.0 ft msl	289.2 ft msl	4" PVC	S	Water Table (IIB2)

<u>SAMPLE DATE</u>	05/11/98	11/09/98
--------------------	----------	----------

FIELD DATA

<u>Constituents</u>	2Q98	4Q98	Unit
Water elevation	236.4	236.4	ft msl
pH	5.3	5.8	pH
Sp. conductance	34	30	µS/cm
Water temperature	20.3	20.2	°C
Alkalinity as CaCO3	2	2	mg/L
Turbidity	2	5	NTU
Volumes purged	3.9	0.11	Well vol
Sampling code		XN	

ANALYTICAL DATA

<u>Analyte</u>	<u>2Q98</u>	<u>Mod</u>	<u>Filt.</u>	<u>S</u>	<u>H</u>	<u>DF</u>	<u>Lab</u>	<u>4Q98</u>	<u>Mod</u>	<u>Filt.</u>	<u>S</u>	<u>H</u>	<u>DF</u>	<u>Lab</u>	<u>Unit</u>
Alkalinity (as CaCO ₃)	83,000	//				1	WA	3,000	J//	NDD			1	WA	µg/L
Aluminum, total recoverable						1	WA	240	J/K/I	NDD			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	13	N//				1	WA	9.5	N//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	<270	U//	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<1.6E+02	U//	<1.8E+02			1	TM	<5.8E+01	U//				1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	<0.71	U//	<7.0			1	WA	1.9	J//	NDD			1	WA	µg/L
Copper, total recoverable	39	N//				1	WA	28	//				1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene						1	WA	<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<2.2	U//	<5.0			1	WA	<8.2	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	1.5E+00	//				1	TM	3.33					1	TM	pCi/L
Iron, total recoverable						1	WA	710	J/K/I	NDD			1	WA	µg/L
Lead, total recoverable	13	J/E/	NDD			1	WA	13	J//	NDD			1	WA	µg/L
Lithium, total recoverable	<2.1	U//	<2.7			1	WA	<2.0	U//	<2.7			1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	93	//				1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	1.8E+00	//				1	TM	4.21E+00					1	TM	pCi/L
Phenols	<36	U//	<36			1	WA	<37	JU/Q/	<37			1	WA	µg/L
Radium, total alpha-emitting	<4.4E+00	U//	<3.9E-01			1	TM	8.5E-01	J//				1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<0.71	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<0.0E+00	U//	<1.7E+00			1	TM	<8.0E-01	U//				1	TM	pCi/L
Sulfate	240	J/EI/Q/2	NDD			1	WA	400	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	34,000	J/EQ/	NDD			1	WA	32,000	J//Q/	NDD			1	WA	µg/L
Total organic carbon	2,500	//				1	WA	430	J//	NDD			1	WA	µg/L
Total organic halogens	<120	U//	<120			1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tritium	2.2E+01	//				1	TM	2.0E+01	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	19	J/E/	NDD			1	WA	21	J//K/I	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

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>Pump</u>	<u>Screen Zone</u>
N74012.4 E58438.8	33.284816 °N 81.656687 °W	241.0-221.0 ft msl	293.2 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 05/11/98 11/09/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	238.3	238.2	ft msl
pH	8.4	8.3	pH
Sp. conductance	52	34	µS/cm
Water temperature	22.3	21.2	°C
Alkalinity as CaCO3	14	21	mg/L
Turbidity	12	5	NTU
Volumes purged	0.088	0.18	Well vol
Sampling code	XN	XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO3)	16,000	//				1	WA	22,000	//				1	WA	µg/L
Aluminum, total recoverable								630	J/K/L	NDD			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	14	N//				1	WA	15	N//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	<270	U//	<270			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)<10		U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<5.7E+01	U//	<1.8E+02			1	TM	<8.6E+01	U//				1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)<10		U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	<4.2	U//	<7.0			1	WA	2.5	J/N	NDD			1	WA	µg/L
Copper, total recoverable	<5.8	U//	<15			1	WA	4.5	J/N	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA		U//	<5.0			1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<5.0	U//	<5.0			1	WA	<7.7	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	2.4E+00	//				1	TM	6.88					1	TM	pCi/L
Iron, total recoverable								440	J/K/L	NDD			1	WA	µg/L
Lead, total recoverable	9.2	J/E/	NDD			1	WA	8.6	J/N	NDD			1	WA	µg/L
Lithium, total recoverable	<3.7	U//	<2.7			1	WA	4.3	N//				1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	6.6	J/E/	NDD			1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	3.0E+00	//				1	TM	5.53E+00					1	WA	pCi/L
Phenols	<36	U//	<36			1	WA	<37	JU/Q/	<37			1	WA	µg/L
Radium, total alpha-emitting	<4.4E+00	U//	<3.8E-01			1	TM						1	WA	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<1.6	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	<0.0E+00	U//	<1.6E+00			1	TM	<2.4E-01	U//				1	TM	pCi/L
Sulfate	2,200	J/I/Q/2	NDD			1	WA	2,200	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	44,000	J/E/Q/	NDD			1	WA	40,000	J/I/Q/	NDD			1	WA	µg/L
Total organic carbon	7,100	N//				1	WA	500	J/I/	NDD			1	WA	µg/L
Total organic halogens	<120	U//	<120			1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tritium	1.1E+01	//				1	TM	1.1	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	28	J/E/	NDD			1	WA	55	J/K/L	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 25A

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

SAMPLE DATE 11/09/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		161.4	ft msl
pH		7.7	pH
Sp. conductance		200	µS/cm
Water temperature		19.3	°C
Alkalinity as CaCO ₃		112	mg/L
Turbidity		5	NTU
Volumes purged		0.11	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								110,000	//						µg/L
Aluminum, total recoverable								56	J/K/I	NDD				1	WA
Antimony, total recoverable								<27	U//	<27				1	WA
Arsenic, total recoverable								<40	U//	<40				1	WA
Barium, total recoverable								38	N/I					1	WA
Benzene								<5.0	JU/Q/	<5.0		●	1	WA	
Boron, total recoverable								<270	U//	<270				1	WA
Bromodichloromethane								<5.0	JU/Q/	<5.0		●	1	WA	
Bromoform								<5.0	JU/Q/	<5.0		●	1	WA	
Bromomethane (Methyl bromide)								<10	JU/Q/	<10		●	1	WA	
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA
Carbon-14								<-2.3E+01						TM	
Carbon tetrachloride								<5.0	JU/Q/	<5.0		●	1	WA	
Chlorobenzene								<5.0	JU/Q/	<5.0		●	1	WA	
Chloroethane								<10	JU/Q/	<10		●	1	WA	
Chloroethene (Vinyl chloride)								<10	JU/Q/	<10		●	1	WA	
2-Chloroethyl vinyl ether								<10	JU/Q/	<10		●	1	WA	
Chloroform								<5.0	JU/Q/	<5.0		●	1	WA	
Chloromethane (Methyl chloride)								<10	JU/Q/	<10		●	1	WA	
Chromium, total recoverable								1.8	J/I	NDD				1	WA
Copper, total recoverable								7.6	J/I	NDD				1	WA
Dibromochloromethane								<5.0	JU/Q/	<5.0		●	1	WA	
1,1-Dichloroethane								<5.0	JU/Q/	<5.0		●	1	WA	
1,2-Dichloroethane								<5.0	JU/Q/	<5.0		●	1	WA	
1,1-Dichloroethylene								<5.0	JU/Q/	<5.0		●	1	WA	
trans-1,2-Dichloroethylene								<5.0	JU/Q/	<5.0		●	1	WA	
Dichloromethane								<3.0	JU/Q/	<5.0		●	1	WA	
1,2-Dichloropropane								<5.0	JU/Q/	<5.0		●	1	WA	
cis-1,3-Dichloropropene								<5.0	JU/Q/	<5.0		●	1	WA	
trans-1,3-Dichloropropene								<5.0	JU/Q/	<5.0		●	1	WA	
Ethylbenzene								<5.0	JU/Q/	<5.0		●	1	WA	
Gross alpha								<0.72	U//					TM	
Iron, total recoverable								230	J/K/I	NDD				1	WA
Lead, total recoverable								8.7	J/I	NDD				1	WA
Lithium, total recoverable								<1.5	U/N/I	<2.7				1	WA
Mercury, total recoverable								<0.70	U//	<0.70				1	WA
Nickel, total recoverable								<26	U//	<26				1	WA
Nonvolatile beta								<1.2E-01	U//					TM	
Phenols								<37	JU/Q/	<37		●	1	WA	
Radium, total alpha-emitting								<3.5E-01	U//					TM	
Selenium, total recoverable								<66	U//	<66				1	WA
Silver, total recoverable								<5.0	U//	<5.0				1	WA
Strontium-90								<-2.6E-01	U//					TM	
Sulfate								8,600	//					1	WA
1,1,2,2-Tetrachloroethane								<5.0	JU/Q/	<5.0		●	1	WA	
Tetrachloroethylene								<5.0	JU/Q/	<5.0		●	1	WA	
Tin, total recoverable								<70	U//	<70				1	WA
Toluene								<5.0	JU/Q/	<5.0		●	1	WA	
Total dissolved solids								170,000	J/Q/	NDD				1	WA
Total organic carbon								620	J/I	NDD				1	WA
Total organic halogens								<120	U//	<120				1	WA
1,1,1-Trichloroethane								<5.0	JU/Q/	<5.0		●	1	WA	
1,1,2-Trichloroethane								<5.0	JU/Q/	<5.0		●	1	WA	
Trichloroethylene								<5.0	JU/Q/	<5.0		●	1	WA	
Trichlorofluoromethane								<1.1	U/N/I	<5.0				1	WA
Tritium								<-0.0E-02	U//					TM	
Xylenes								<5.0	JU/Q/	<5.0		●	1	WA	
Zinc, total recoverable								10	J/K/I	NDD				1	WA

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 26A

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

SAMPLE DATE 12/01/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		159.6	ft msl
pH		11.7	pH
Sp. conductance		1150	µS/cm
Water temperature		19.7	°C
Alkalinity as CaCO ₃		254	mg/L
Turbidity		14	NTU
Volumes purged		0.039	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								130,000	//					1	WA µg/L
Aluminum, total recoverable								730	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								97	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								29	J//	NDD				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<8.0E+01	U//	<1.7E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<5.0	U//	<5.0				1	WA µg/L
Chloroform								<10	U//	<10				1	WA µg/L
Chloromethane (Methyl chloride)								5.8	J//	NDD				1	WA µg/L
Chromium, total recoverable								3.6	J//	NDD				1	WA µg/L
Copper, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<1.9	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								4.0E+00	//					1	TM pCi/L
Iron, total recoverable								<120	U//	<74				1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								45	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								5.5	J//	NDD				1	WA µg/L
Nonvolatile beta								<3.2E-01	U//	<1.9E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								7.9E+00	J//	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								0.66	J//	NDD				1	WA µg/L
Strontium-90								<1.5E-01	U//	<1.3E+00				1	TM pCi/L
Sulfate								7,500	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								160,000	J/Q/	NDD				1	WA µg/L
Total organic carbon								1,300	//					1	WA µg/L
Total organic halogens								33	J//	NDD				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								8.4	//					1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								6.7E-01	J//	NDD				1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								14	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 26D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76128.0 E55015.2	33.283910 °N 81.669811 °W	233.5-213.4 ft msl	285.5 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 12/01/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		228.1	ft msl
pH		6.3	pH
Sp. conductance		30	µS/cm
Water temperature		21.0	°C
Alkalinity as CaCO3		0	mg/L
Turbidity		5	NTU
Volumes purged		0.10	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								1,400	J//	NDD				1	WA µg/L
Aluminum, total recoverable								740	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								11	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								29	J//	NDD				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								2.6E+02	R//4	NDD				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								8.7	//					1	WA µg/L
Copper, total recoverable								540	//					1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<2.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								5.3E+00	//					1	TM pCi/L
Iron, total recoverable								1,300	//					1	WA µg/L
Lead, total recoverable								84	//					1	WA µg/L
Lithium, total recoverable								0.88	J//	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								6.5	J//	NDD				1	WA µg/L
Nonvolatile beta								2.4E+00	J//	NDD				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								1.5E+01	//					1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<1.5E-01	U//	<1.5E+00				1	TM pCi/L
Sulfate								600	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								<50,000	JU/Q/	<500				1	WA µg/L
Total organic carbon								360	J//	NDD				1	WA µg/L
Total organic halogens								14	J//	NDD				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								15	//					1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								7.3E+00	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								59	//					1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 27C

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

SAMPLE DATE 12/01/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		221.3	ft msl
pH		7.2	pH
Sp. conductance		130	µS/cm
Water temperature		19.7	°C
Alkalinity as CaCO ₃		41	mg/L
Turbidity		1	NTU
Volumes purged		3.4	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								56,000	//					1	WA µg/L
Aluminum, total recoverable								390	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								8.0	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								2.6E+02	R//4	NDD				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								2.5	J//	NDD				1	WA µg/L
Copper, total recoverable								22	//					1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<1.6	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								9.7E-01	J//	NDD				1	TM pCi/L
Iron, total recoverable								80	//					1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								0.65	J//	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								<4.5E-01	U//	<1.5E+00				1	GP pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								3.7E+00	J//	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<1.9E-01	U//	<1.2E+00				1	TM pCi/L
Sulfate								420	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								66,000	J//	NDD				1	WA µg/L
Total organic carbon								420	J//	NDD				1	WA µg/L
Total organic halogens								29	J//	NDD				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								30	//					1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								1.6E+05	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								<53	U//	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 27D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75677.3 E54680.2	33.282366 °N 81.669818 °W	229.3-209.3 ft msl	276.3 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 12/07/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		227.5	ft msl
pH		5.2	pH
Sp. conductance		34	µS/cm
Water temperature		21.2	°C
Alkalinity as CaCO3		2	mg/L
Turbidity		12.7	NTU
Volumes purged		0.08	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Acenaphthylene								<11	JU/Q/	<11				1	WA µg/L
Acetone								<2.7	U//	<10				1	WA µg/L
Acetonitrile (Methyl cyanide)								<20	U//	<20				1	WA µg/L
Acetophenone								<11	JU/Q/	<11				1	WA µg/L
2-Acetylaminofluorene								<11	JU/Q/	<11				1	WA µg/L
Acrolein								<20	U//	<20				1	WA µg/L
Acrylonitrile								<5.0	U//	<5.0				1	WA µg/L
Aldrin								<0.053	U//	<0.053				1	WA µg/L
Alkalinity (as CaCO3)								2,400	J//	NDD				1	WA µg/L
Allyl chloride								<10	U//	<10				1	WA µg/L
Aluminum, total recoverable								150	//					1	WA µg/L
4-Aminobiphenyl								<11	JU/Q/	<11				1	WA µg/L
Aniline								<11	JU/Q/	<11				1	WA µg/L
Anthracene								<11	JU/Q/	<11				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Aramite								<21	JU/Q/	<21				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								13	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
alpha-Benzene hexachloride								<0.053	U//	<0.053				1	WA µg/L
beta-Benzene hexachloride								<0.053	U//	<0.053				1	WA µg/L
delta-Benzene hexachloride								<0.053	U//	<0.053				1	WA µg/L
Benzo(a)anthracene								<11	JU/Q/	<11				1	WA µg/L
Benzo(b)fluoranthene								<11	JU/Q/	<11				1	WA µg/L
Benzo(k)fluoranthene								<11	JU/Q/	<11				1	WA µg/L
Benzoic acid								0.67	J//	NDD				1	WA µg/L
Benzo(g,h,i)perylene								<11	JU/Q/	<11				1	WA µg/L
Benzo(a)pyrene								<11	JU/Q/	<11				1	WA µg/L
Benzyl alcohol								<11	JU/Q/	<11				1	WA µg/L
Beryllium, total recoverable								<0.60	U//	<1.6				1	WA µg/L
Bis(2-chloroethoxy) methane								<11	JU/Q/	<11				1	WA µg/L
Bis(2-chloroethyl) ether								<11	JU/Q/	<11				1	WA µg/L
Bis(2-chloroisopropyl) ether								<11	JU/Q/	<11				1	WA µg/L
Bis(2-ethylhexyl) phthalate								<11	JU/Q/	<11				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
4-Bromophenyl phenyl ether								<11	JU/Q/	<11				1	WA µg/L
Butylbenzyl phthalate								<11	JU/Q/	<11				1	WA µg/L
2-sec-Butyl-4,6-dinitrophenol								<53	U//	<53				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon disulfide								<5.0	U//	<5.0				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
alpha-Chlordane								<0.053	U//	<0.053				1	WA µg/L
gamma-Chlordane								<0.053	U//	<0.053				1	WA µg/L
4-Chloroaniline								<11	JU/Q/	<11				1	WA µg/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chlorobenzilate								<11	JU/Q/	<11				1	WA µg/L
4-Chloro-m-cresol								<11	JU/Q/	<11				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								3.2	J//	NDD				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloronaphthalene								<11	JU/Q/	<11				1	WA µg/L
2-Chlorophenol								<11	JU/Q/	<11				1	WA µg/L
4-Chlorophenyl phenyl ether								<11	JU/Q/	<11				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 27D (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Chloroprene								<5.0	U//	<5.0				1	WA µg/L
Chromium, total recoverable								<2.6	U//	<7.0				1	WA µg/L
Chrysene								<11	JU/Q/	<11				1	WA µg/L
Cobalt, total recoverable								2.2	J//	NDD				1	WA µg/L
Copper, total recoverable								29	//					1	WA µg/L
m-Cresol (3-Methylphenol)								<11	U//	<11				1	WA µg/L
o-Cresol (2-Methylphenol)								<11	JU/Q/	<11				1	WA µg/L
p-Cresol (4-Methylphenol)								<11	JU/Q/	<11				1	WA µg/L
Cyanide								<15	U//	<15				1	WA µg/L
p,p'-DDD								<0.11	U//	<0.11				1	WA µg/L
p,p'-DDE								<0.11	U//	<0.11				1	WA µg/L
p,p'-DDT								<0.11	U//	<0.11				1	WA µg/L
Diallate								<11	JU/Q/	<11				1	WA µg/L
Dibenz(a,h)anthracene								<11	JU/Q/	<11				1	WA µg/L
Dibenzofuran								<11	JU/Q/	<11				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dibromo-3-chloropropane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dibromoethane								<5.0	U//	<5.0				1	WA µg/L
Dibromomethane (Methylene bromide)								<5.0	U//	<5.0				1	WA µg/L
Di-n-butyl phthalate								<11	JU/Q/	<11				1	WA µg/L
1,2-Dichlorobenzene								<11	JU/Q/	<11				1	WA µg/L
1,3-Dichlorobenzene								<11	JU/Q/	<11				1	WA µg/L
1,4-Dichlorobenzene								<11	JU/Q/	<11				1	WA µg/L
3,3'-Dichlorobenzidine								<11	JU/Q/	<11				1	WA µg/L
trans-1,4-Dichloro-2-butene								<20	U//	<20				1	WA µg/L
Dichlorodifluoromethane								4.2	J//	NDD				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
cis-1,2-Dichloroethylene								14	//					1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<1.5	U//	<5.0				1	WA µg/L
2,4-Dichlorophenol								<11	JU/Q/	<11				1	WA µg/L
2,6-Dichlorophenol								<11	JU/Q/	<11				1	WA µg/L
2,4-Dichlorophenoxyacetic acid								<1.0	U//	<1.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Dieldrin								<0.11	U//	<0.11				1	WA µg/L
Diethyl phthalate								<11	JU/Q/	<11				1	WA µg/L
Dimethoate								<0.51	U//	<0.51				1	WA µg/L
2,4-Dimethyl phenol								<11	JU/Q/	<11				1	WA µg/L
Dimethyl phthalate								<11	JU/Q/	<11				1	WA µg/L
p-Dimethylaminoazobenzene								<11	JU/Q/	<11				1	WA µg/L
7,12-Dimethylbenz(a)anthracene								<11	JU/Q/	<11				1	WA µg/L
3,3'-Dimethylbenzidine								<11	JU/Q/	<11				1	WA µg/L
1,3-Dinitrobenzene								<11	JU/Q/	<11				1	WA µg/L
2,4-Dinitrophenol								<27	JU/Q/	<27				1	WA µg/L
2,4-Dinitrotoluene								<11	JU/Q/	<11				1	WA µg/L
2,6-Dinitrotoluene								<11	JU/Q/	<11				1	WA µg/L
Di-n-octyl phthalate								<11	JU/Q/	<11				1	WA µg/L
1,4-Dioxane								0.66	J//	NDD				1	WA µg/L
Diphenylamine								<11	JU/Q/	<11				1	WA µg/L
Disulfoton								<0.51	U//	<0.51				1	WA µg/L
Endosulfan sulfate								<0.11	U//	<0.11				1	WA µg/L
Endosulfan I								<0.053	U//	<0.053				1	WA µg/L
Endosulfan II								<0.11	U//	<0.11				1	WA µg/L
Endrin								<0.11	U//	<0.11				1	WA µg/L
Endrin aldehyde								<0.11	U//	<0.11				1	WA µg/L
Ethyl methacrylate								<11	JU/Q/	<11				1	WA µg/L
Ethyl methanesulfonate								<11	JU/Q/	<11				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Famphur								<1.3	U//	<1.3				1	WA µg/L
Fluoranthene								<11	JU/Q/	<11				1	WA µg/L
Fluorene								<11	JU/Q/	<11				1	WA µg/L
Gross alpha								3.7E+00	//					1	TM pCi/L
Heptachlor								<0.053	U//	<0.053				1	WA µg/L
Heptachlor epoxide								<0.053	U//	<0.053				1	WA µg/L
Hexachlorobenzene								<11	JU/Q/	<11				1	WA µg/L
Hexachlorobutadiene								<11	JU/Q/	<11				1	WA µg/L
Hexachlorocyclopentadiene								<11	JU/Q/	<11				1	WA µg/L
Hexachlorodibenzo-p-dioxins								<2.1E-04	U//	<2.1E-04				1	WA µg/L
Hexachlorodibenzo-p-furans								<1.3E-04	U//	<1.3E-04				1	WA µg/L
Hexachloroethane								<11	JU/Q/	<11				1	WA µg/L
Hexachlorophene								<110	JU/Q/	<110				1	WA µg/L
Hexachloropropene								<11	JU/Q/	<11				1	WA µg/L
2-Hexanone								<10	U//	<10				1	WA µg/L
Indeno(1,2,3-c,d)pyrene								<11	JU/Q/	<11				1	WA µg/L
Iodomethane (Methyl iodide)								<5.0	U//	<5.0				1	WA µg/L
Iron, total recoverable								600	//					1	WA µg/L
Isobutyl alcohol								<100	U//	<100				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 27D (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Isodrin								<0.11	U//	<0.11				1	WA µg/L
Isophorone								<11	JU/Q/	<11				1	WA µg/L
Isosafrole								<11	JU/Q/	<11				1	WA µg/L
Kepona								<0.53	U//	<0.53				1	WA µg/L
Lead, total recoverable								13	J//	NDD				1	WA µg/L
Lindane								<0.053	U//	<0.053				1	WA µg/L
Lithium, total recoverable								0.66	J//	NDD				1	WA µg/L
Mercury, total recoverable								<2.0	U//	<2.0				1	WA µg/L
Methacrylonitrile								<10	U//	<10				1	WA µg/L
Methapyrilene								<11	JU/Q/	<11				1	WA µg/L
Methoxychlor								<0.53	U//	<0.53				1	WA µg/L
2-Methyl-4,6-dinitrophenol								<27	JU/Q/	<27				1	WA µg/L
Methyl ethyl ketone								<10	U//	<10				1	WA µg/L
Methyl isobutyl ketone								<10	U//	<10				1	WA µg/L
Methyl methacrylate								<11	JU/Q/	<11				1	WA µg/L
Methyl methanesulfonate								<11	JU/Q/	<11				1	WA µg/L
3-Methylcholanthrene								<11	JU/Q/	<11				1	WA µg/L
2-Methylnaphthalene								<11	JU/Q/	<11				1	WA µg/L
Naphthalene								<11	JU/Q/	<11				1	WA µg/L
1,4-Naphthoquinone								<11	JU/Q/	<11				1	WA µg/L
1-Naphthylamine								<11	JU/Q/	<11				1	WA µg/L
2-Naphthylamine								<11	JU/Q/	<11				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
m-Nitroaniline								<27	JU/Q/	<27				1	WA µg/L
o-Nitroaniline								<27	JU/Q/	<27				1	WA µg/L
p-Nitroaniline								<27	JU/Q/	<27				1	WA µg/L
Nitrobenzene								<11	JU/Q/	<11				1	WA µg/L
2-Nitrophenol								<11	JU/Q/	<11				1	WA µg/L
4-Nitrophenol								<27	JU/Q/	<27				1	WA µg/L
4-Nitroquinoline-1-oxide								<21	JU/Q/	<21				1	WA µg/L
N-Nitrosodi-n-butylamine								<11	JU/Q/	<11				1	WA µg/L
N-Nitrosodiethylamine								<11	JU/Q/	<11				1	WA µg/L
N-Nitrosodimethylamine								<11	JU/Q/	<11				1	WA µg/L
N-Nitrosodiphenylamine								<11	JU/Q/	<11				1	WA µg/L
N-Nitrosodipropylamine								<11	JU/Q/	<11				1	WA µg/L
N-Nitrosomethylethylamine								<11	JU/Q/	<11				1	WA µg/L
N-Nitrosomorpholine								<11	JU/Q/	<11				1	WA µg/L
N-Nitrosopiperidine								<53	JU/Q/	<53				1	WA µg/L
N-Nitrosopyrrolidine								<11	JU/Q/	<11				1	WA µg/L
5-Nitro-o-toluidine								<11	JU/Q/	<11				1	WA µg/L
Nonvolatile beta								3.1E+00	J//	NDD				1	TM pCi/L
Parathion ethyl								<0.51	U//	<0.51				1	WA µg/L
Parathion methyl								<0.51	U//	<0.51				1	WA µg/L
PCB 1016								<1.1	U//	<1.1				1	WA µg/L
PCB 1221								<2.1	U//	<2.1				1	WA µg/L
PCB 1232								<1.1	U//	<1.1				1	WA µg/L
PCB 1242								<1.1	U//	<1.1				1	WA µg/L
PCB 1248								<1.1	U//	<1.1				1	WA µg/L
PCB 1254								<1.1	U//	<1.1				1	WA µg/L
PCB 1260								<1.1	U//	<1.1				1	WA µg/L
Pentachlorobenzene								<11	JU/Q/	<11				1	WA µg/L
Pentachlorodibenzo-p-furans								<1.7E-04	U//	<1.7E-04				1	WA µg/L
Pentachloroethane								<11	JU/Q/	<11				1	WA µg/L
Pentachloronitrobenzene								<53	JU/Q/	<53				1	WA µg/L
Pentachlorophenol								<27	JU/Q/	<27				1	WA µg/L
Phenacetin								<11	JU/Q/	<11				1	WA µg/L
Phenanthrene								<11	JU/Q/	<11				1	WA µg/L
Phenol								<11	JU/Q/	<11				1	WA µg/L
Phenols								<37	U//	<37				1	WA µg/L
p-Phenylenediamine								<11	JU/Q/	<11				1	WA µg/L
Phorate								<1.0	U//	<1.0				1	WA µg/L
2-Picoline								<11	JU/Q/	<11				1	WA µg/L
Pronamid								<11	JU/Q/	<11				1	WA µg/L
Propionitrile								<50	U//	<50				1	WA µg/L
Pyrene								<11	JU/Q/	<11				1	WA µg/L
Pyridine								<11	JU/Q/	<11				1	WA µg/L
Safrole								<11	JU/Q/	<11				1	WA µg/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Nonvolatile beta								1.7E+01	//					1	TM pCi/L
Strontium-90								1.1E+00	U//	<9.8E-01				1	TM µg/L
Sulfate								480	//					1	WA µg/L
Sulfide								<10,000	JU/Q/	<100				1	WA µg/L
Sulfotep								<1.0	U//	<1.0				1	WA µg/L
2,4,5-T								<0.50	U//	<0.50				1	WA µg/L
2,3,7,8-TCDD								<1.9E-04	U//	<1.9E-04				1	WA µg/L
1,2,4,5-Tetrachlorobenzene								<11	JU/Q/	<11				1	WA µg/L
Tetrachlorodibenzo-p-dioxins								<1.9E-04	U//	<1.9E-04				1	WA µg/L
Tetrachlorodibenzo-p-furans								<1.4E-04	U//	<1.4E-04				1	WA µg/L
1,1,1,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L

Notes: Radionuclide results in Italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 27D (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
2,3,4,6-Tetrachlorophenol								<11	JU/Q/	<11		●	1	WA	µg/L
Thallium, total recoverable								<55	U//	<55			1	WA	µg/L
Thionazin								<0.51	U//	<0.51			1	WA	µg/L
Tin, total recoverable								<70	U//	<70			1	WA	µg/L
Toluene								<5.0	U//	<5.0			1	WA	µg/L
o-Toluidine								<11	JU/Q/	<11		●	1	WA	µg/L
Total dissolved solids								<50,000	JU/Q/	<500		●	1	WA	µg/L
Total organic carbon								1,200	//				1	WA	µg/L
Total organic halogens								17	J//	NDD			1	WA	µg/L
Toxaphene								<5.3	U//	<5.3			1	WA	µg/L
2,4,5-TP (Silvex)								<0.50	U//	<0.50			1	WA	µg/L
1,2,4-Trichlorobenzene								<11	JU/Q/	<11		●	1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0			1	WA	µg/L
2,4,5-Trichlorophenol								<27	JU/Q/	<27		●	1	WA	µg/L
2,4,6-Trichlorophenol								<11	JU/Q/	<11		●	1	WA	µg/L
1,2,3-Trichloropropane								<5.0	U//	<5.0			1	WA	µg/L
O,O,O-Triethyl phosphorothioate								<0.51	U//	<0.51			1	WA	µg/L
1,3,5-Trinitrobenzene								<11	JU/Q/	<11		●	1	WA	µg/L
Tritium								6.2E+02	//				1	TM	pCi/L
Vanadium, total recoverable								1.4	J//	NDD			1	WA	µg/L
Vinyl acetate								<10	U//	<10			1	WA	µg/L
Xylenes								<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable								<53	U//	<53			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 28D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N753483 E54457.9	33.281276 °N 81.669764 °W	230.1-210.1 ft msl	277.4 ft msl	4" PVC	S	Water

SAMPLE DATE 12/10/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		230	ft msl
pH		5.4	pH
Sp. conductance		70	µS/cm
Water temperature		25.2	°C
Alkalinity as CaCO3		5	mg/L
Turbidity		13.8	NTU
Volumes purged		0.86	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO3)								340	//					1	WA µg/L
Aluminum, total recoverable								340	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								27	N//					1	WA µg/L
Benzene								1.8	J//	NDD				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								1.9E+04	R//4					1	TM pCi/L
Chlorobenzene								1.7	J//	NDD				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								49	//					1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								1.5	J//	NDD				1	WA µg/L
Chloromethane (Methyl chloride)								<1.1	U//	<1.1				1	WA µg/L
Chromium, total recoverable								13	//					1	WA µg/L
Copper, total recoverable								12	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								7.6	//					1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								1.3	J//	NDD				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<2.3	U//	<2.3				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								5.6E+00	//					1	TM pCi/L
Iron, total recoverable								1,800	J/KV//	NDD				1	WA µg/L
Lead, total recoverable								8.6	J//	NDD				1	WA µg/L
Lithium, total recoverable								9.4	//					1	WA µg/L
Mercury, total recoverable								<2.0	U//	<2.0				1	WA µg/L
Nickel, total recoverable								12	J//	NDD				1	WA µg/L
Nonvolatile beta								1.7E+01	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								2.6E+00	J//	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								4.1E+00	//					1	TM pCi/L
Sulfate								5,000	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								1.4	J//	NDD				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								32,000	J//Q//	NDD				1	WA µg/L
Total organic carbon								2,500	//					1	WA µg/L
Total organic halogens								430	//					1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								120	//					1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								2.5E+04	//					1	TM pCi/mL
Xylenes								1.8	J//	NDD				1	WA µg/L
Zinc, total recoverable								<53	U//	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 29A

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

SAMPLE DATE 11/09/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		159.8	ft msl
pH		6.8	pH
Sp. conductance		110	µS/cm
Water temperature		19.4	°C
Alkalinity as CaCO3		54	mg/L
Turbidity		5	NTU
Volumes purged		0.11	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)							1 WA	µg/L
Aluminum, total recoverable	2,800	J/K/I	NDD				1 WA	µg/L
Antimony, total recoverable	<27	U//	<27				1 WA	µg/L
Arsenic, total recoverable	<40	U//	<40				1 WA	µg/L
Barium, total recoverable	20	N//					1 WA	µg/L
Benzene	<5.0	JU/Q/	<5.0	●			1 WA	µg/L
Boron, total recoverable	<270	U//	<270				1 WA	µg/L
Bromodichloromethane	<5.0	JU/Q/	<5.0	●			1 WA	µg/L
Bromoform	<5.0	JU/Q/	<5.0	●			1 WA	µg/L
Bromomethane (Methyl bromide)	<1.6	JU/QV/	<10	●			1 WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7				1 WA	µg/L
Carbon-14	<-2.1E+01						TM	pCi/L
Carbon tetrachloride	<5.0	JU/Q/	<5.0	●			1 WA	µg/L
Chlorobenzene	<5.0	JU/Q/	<5.0	●			1 WA	µg/L
Chloroethane	<10	JU/Q/	<10	●			1 WA	µg/L
Chloroethene (Vinyl chloride)	<10	JU/Q/	<10	●			1 WA	µg/L
2-Chloroethyl vinyl ether	<10	JU/Q/	<10	●			1 WA	µg/L
Chloroform	<5.0	JU/Q/	<5.0	●			1 WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10				1 WA	µg/L
Chromium, total recoverable	2.7	J/I/	NDD				1 WA	µg/L
Copper, total recoverable	2.4	J/I/	NDD				1 WA	µg/L
Dibromochloromethane	<5.0	JU/Q/	<5.0	●			1 WA	µg/L
1,1-Dichloroethane	<5.0	JU/Q/	<5.0	●			1 WA	µg/L
1,2-Dichloroethane	<5.0	JU/Q/	<5.0	●			1 WA	µg/L
1,1-Dichloroethylene	<5.0	JU/Q/	<5.0	●			1 WA	µg/L
trans-1,2-Dichloroethylene	<5.0	JU/Q/	<5.0	●			1 WA	µg/L
Dichloromethane	<3.1	JU/QV/	<5.0	●			1 WA	µg/L
1,2-Dichloropropane	<5.0	JU/Q/	<5.0	●			1 WA	µg/L
cis-1,3-Dichloropropene	<5.0	JU/Q/	<5.0	●			1 WA	µg/L
trans-1,3-Dichloropropene	<5.0	JU/Q/	<5.0	●			1 WA	µg/L
Ethylbenzene	<5.0	JU/Q/	<5.0	●			1 WA	µg/L
Gross alpha	<1.1E+00	U//					1 TM	pCi/L
Iron, total recoverable	220	J/K/I	NDD				1 WA	µg/L
Lead, total recoverable	<47	U//	<47				1 WA	µg/L
Lithium, total recoverable	<1.4	U/N/I	<2.7				1 WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70				1 WA	µg/L
Nickel, total recoverable	<26	U//	<26				1 WA	µg/L
Nonvolatile beta	<1.21E+00	U//					1 TM	pCi/L
Phenols	<37	JU/Q/	<37	●			1 WA	µg/L
Radium, total alpha-emitting	<1.2E-01	U//					1 TM	pCi/L
Selenium, total recoverable	<66	U//	<66				1 WA	µg/L
Silver, total recoverable	<5.0	U//	<5.0				1 WA	µg/L
Strontium-90	<-3.4E-01	U//					1 TM	pCi/L
Sulfate	750	I/					1 WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	JU/Q/	<5.0	●			1 WA	µg/L
Tetrachloroethylene	<5.0	JU/Q/	<5.0	●			1 WA	µg/L
Tin, total recoverable	<70	U//	<70				1 WA	µg/L
Toluene	<5.0	JU/Q/	<5.0	●			1 WA	µg/L
Total dissolved solids	82,000	J/Q/	NDD	●			1 WA	µg/L
Total organic carbon	1,200	I/					1 WA	µg/L
Total organic halogens	<120	U//	<120				1 WA	µg/L
1,1,1-Trichloroethane	<5.0	JU/Q/	<5.0	●			1 WA	µg/L
1,1,2-Trichloroethane	<5.0	JU/Q/	<5.0	●			1 WA	µg/L
Trichloroethylene	4.6	J/I/Q/	NDD	●			1 WA	µg/L
Trichlorofluoromethane	<1.1	JU/QV/	<5.0	●			1 WA	µg/L
Tritium	1.6E+01	I/					1 TM	pCi/mL
Xylenes	<5.0	JU/Q/	<5.0	●			1 WA	µg/L
Zinc, total recoverable	17	J/I/K/I	NDD				1 WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent 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>Pump</u>	<u>Screen Zone</u>
N75577.8 E54099.1	33.281198 °N 81.671154 °W	186.8-176.8 ft msl	264.8 ft msl	4" PVC	S	Barnwell (IIB ₁)

SAMPLE DATE 11/09/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		223.4	ft msl
pH		5.7	pH
Sp. conductance		35	µS/cm
Water temperature		19.9	°C
Alkalinity as CaCO ₃		9	mg/L
Turbidity		6	NTU
Volumes purged		0.13	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								9,400	J/I	NDD				1	WA µg/L
Aluminum, total recoverable								160	J/K/I	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								23	I//					1	WA µg/L
Benzene								<5.0	JU/Q/	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	JU/Q/	<5.0				1	WA µg/L
Bromoform								<5.0	JU/Q/	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<2.0	JU/QV/	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon-14								320.38	R//4						TM pCi/L
Carbon tetrachloride								<5.0	JU/Q/	<5.0				1	WA µg/L
Chlorobenzene								<5.0	JU/Q/	<5.0				1	WA µg/L
Chloroethane								<10	JU/Q/	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	JU/Q/	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	JU/Q/	<10				1	WA µg/L
Chloroform								<5.0	JU/Q/	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	JU/Q/	<10				1	WA µg/L
Chromium, total recoverable								1.9	J/I	NDD				1	WA µg/L
Copper, total recoverable								8.4	J/I	NDD				1	WA µg/L
Dibromochloromethane								<5.0	JU/Q/	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	JU/Q/	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	JU/Q/	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	JU/Q/	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	JU/Q/	<5.0				1	WA µg/L
Dichloromethane								<3.1	JU/QV/	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	JU/Q/	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	JU/Q/	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	JU/Q/	<5.0				1	WA µg/L
Ethylbenzene								<5.0	JU/Q/	<5.0				1	WA µg/L
Gross alpha								1.76	J/I					1	TM pCi/L
Iron, total recoverable								250	J/K/I	NDD				1	WA µg/L
Lead, total recoverable								8.9	J/I	NDD				1	WA µg/L
Lithium, total recoverable								2.7	I//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								1.79E+00	J/I					1	TM pCi/L
Phenols								<37	JU/Q/	<37				1	WA µg/L
Radium, total alpha-emitting								<4.5E-01	U//					1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<4.3E-01	U//	I//				1	TM pCi/L
Sulfate								380	I//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	JU/Q/	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	JU/Q/	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	JU/Q/	<5.0				1	WA µg/L
Total dissolved solids								29,000	J/I/Q/	NDD				1	WA µg/L
Total organic carbon								1,600	I//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	JU/Q/	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	JU/Q/	<5.0				1	WA µg/L
Trichloroethylene								<5.0	JU/Q/	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	JU/Q/	<5.0				1	WA µg/L
Tritium								4.5E+02	I//					1	TM pCi/mL
Xylenes								<5.0	JU/Q/	<5.0				1	WA µg/L
Zinc, total recoverable								24	J/K/I	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 29D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75592.5 E54099.4	33.281231 °N 81.671182 °W	228.5-208.5 ft msl	265.5 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 11/09/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		226.7	ft msl
pH		4.9	pH
Sp. conductance		65	µS/cm
Water temperature		20.4	°C
Alkalinity as CaCO3		0	mg/L
Turbidity		9	NTU
Volumes purged		0.67	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								<13,000	U//	<130				1	WA µg/L
Aluminum, total recoverable								210	J/K/I	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								18	//					1	WA µg/L
Benzene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Bromoform								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Bromomethane (Methyl bromide)								<10	JU/Q/	<10	●			1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon-14								<5.3E+01	U//					TM	pCi/L
Carbon tetrachloride								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Chlorobenzene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Chloroethane								<10	JU/Q/	<10	●			1	WA µg/L
Chloroethene (Vinyl chloride)								<10	JU/Q/	<10	●			1	WA µg/L
2-Chloroethyl vinyl ether								<10	JU/Q/	<10	●			1	WA µg/L
Chloroform								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Chloromethane (Methyl chloride)								<10	JU/Q/	<10	●			1	WA µg/L
Chromium, total recoverable								5.7	J/I/	NDD				1	WA µg/L
Copper, total recoverable								37	//					1	WA µg/L
Dibromochloromethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
1,1-Dichloroethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
1,2-Dichloroethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
1,1-Dichloroethylene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Dichloromethane								<3.0	JU/QV/	<5.0	●			1	WA µg/L
1,2-Dichloropropane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
cis-1,3-Dichloropropene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
trans-1,3-Dichloropropene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Ethylbenzene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Iron, total recoverable								250	J/K/I	NDD				1	WA µg/L
Gross alpha								4.60E+00	//					1	TM pCi/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								<1.9	U//	<2.7				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								8.2	J/I/	NDD				1	WA µg/L
Nonvolatile beta								3.96E+00	//					1	TM pCi/L
Phenols								<37	JU/Q/	<37	●			1	WA µg/L
Radium, total alpha-emitting								1.6E+00	J/I/	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<-1.0E=00	U//					1	TM pCi/L
Sulfate								15,000	//					4	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Tetrachloroethylene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Total dissolved solids								51,000	J/Q/	NDD	●			1	WA µg/L
Total organic carbon								1,000	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
1,1,2-Trichloroethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Trichloroethylene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Trichlorofluoromethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Tritium								8.7E+00	//					1	TM pCi/mL
Xylenes								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Zinc, total recoverable								73	J/K/I	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 30C

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

SAMPLE DATE 12/01/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		219.6	ft msl
pH		7.0	pH
Sp. conductance		40	µS/cm
Water temperature		22.6	°C
Alkalinity as CaCO ₃		17	mg/L
Turbidity		420	NTU
Volumes purged		0.15	Well vol
Sampling code		NTX	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								13,000	J//	NDD				1	WA µg/L
Aluminum, total recoverable								1,900	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								47	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								2.1E+03	R//4					1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								1.1	J//	NDD				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								8.9	//					1	WA µg/L
Copper, total recoverable								3.1	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<2.1	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								3.7E+01	//					1	TM pCi/L
Iron, total recoverable								5,000	//					1	WA µg/L
Lead, total recoverable								31	J//	NDD				1	WA µg/L
Lithium, total recoverable								12	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								5.8	J//	NDD				1	WA µg/L
Nonvolatile beta								2.3E+01	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								3.1E+01	//					1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<6.0E-02	U//	<1.0E+00				1	TM pCi/L
Sulfate								1,100	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								<50,000	JU/Q/	<500				1	WA µg/L
Total organic carbon								2,600	//					1	WA µg/L
Total organic halogens								51	J//	NDD				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								18	//					1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								3.0E+03	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								15	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 30D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75187.7 E54499.2	33.280988 °N 81.669343 °W	227.8-207.8 ft msl	274.8 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 12/10/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		225.4	ft msl
pH		5.9	pH
Sp. conductance		150	µS/cm
Water temperature		21.4	°C
Alkalinity as CaCO3		36	mg/L
Turbidity		10.2	NTU
Volumes purged			Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								43,000							
Aluminum, total recoverable								950	//				1	WA	µg/L
Antimony, total recoverable								<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40			1	WA	µg/L
Barium, total recoverable								74	N//				1	WA	µg/L
Benzene								1.3	J//	NDD			1	WA	µg/L
Boron, total recoverable								<270	U//	<270			1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0			1	WA	µg/L
Bromoform								<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0			1	WA	µg/L
Carbon-14								1.2E+04	R//4				1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0			1	WA	µg/L
Chloroethane								<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)								8.5	J//	NDD			1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10			1	WA	µg/L
Chloroform								6.7	//				1	WA	µg/L
Chloromethane (Methyl chloride)								<1.0	U//	<10			1	WA	µg/L
Chromium, total recoverable								6.9	J//	NDD			1	WA	µg/L
Copper, total recoverable								9.9	J//	NDD			1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane								42	//				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene								5.8	//				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane								<1.3	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0			1	WA	µg/L
Gross alpha								1.0E+01	//				1	TM	pCi/L
Iron, total recoverable								1,100	J/KV//	NDD			1	WA	µg/L
Lead, total recoverable								11	J//	NDD			1	WA	µg/L
Lithium, total recoverable								7.1	//				1	WA	µg/L
Mercury, total recoverable								<2.0	U//	<2.0			1	WA	µg/L
Nickel, total recoverable								7.3	J//	NDD			1	WA	µg/L
Nonvolatile beta								9.5E+00	//				1	TM	pCi/L
Phenols								<37	U//	<37			1	WA	µg/L
Radium, total alpha-emitting								6.2E+00	//				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66			1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0			1	WA	µg/L
Strontium-90								<1.0E+00	U//	<1.2E+00			1	TM	pCi/L
Sulfate								2,100	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene								1.2	J//	NDD			1	WA	µg/L
Tin, total recoverable								<70	U//	<70			1	WA	µg/L
Toluene								<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids								92,000	J/Q/	NDD			1	WA	µg/L
Total organic carbon								3,600	//				1	WA	µg/L
Total organic halogens								450	//				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene								12	//				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0			1	WA	µg/L
Tritium								1.6E+04	//				1	TM	pCi/mL
Xylenes								6.6	//				1	WA	µg/L
Zinc, total recoverable								74	//				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 31C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74978.0 E54816.2	33.281042 °N 81.668101 °W	186.4-176.4 ft msl	273.1 ft msl	4" PVC	S	McBean (1B1)

SAMPLE DATE 12/10/98

FIELD DATA

Constituents	2098	4098	Unit
Water elevation		225.3	ft msl
pH		4.2	pH
Sp. conductance		30	µS/cm
Water temperature		20.4	°C
Alkalinity as CaCO3		1	mg/L
Turbidity		7.5	NTU
Volumes purged		0.4	Well vol
Sampling code		XN	

ANALYTICAL DATA

	2098	Mod	Fill.	S	H	DE	Lab	4098	Mod	Fill.	S	H	DE	Lab	Unit
Analyte															
Aceonaphthylene								<10	JU/Cl	<10		●	1	WA	µg/L
Acetone								<5.9	UV/I	<10			1	WA	µg/L
Aceionitrile (Methyl cyanide)								<20	UV/I	<20			1	WA	µg/L
Acetophenone								<10	JU/Cl	<10		●	1	WA	µg/L
2-Aceylaminofluorene								<10	JU/Cl	<10		●	1	WA	µg/L
Acrolein								<20	UV/I	<20			1	WA	µg/L
Acrylonitrile								<5.0	UV/I	<5.0			1	WA	µg/L
Acitium-228								<1.1E+01	UV/I	<2.5E+01			1	TM	PC/L
Aldrin								<0.051	UV/I	<0.051			1	WA	µg/L
Alkalinity (as CaCO3)								<3.200	UV/I	<130			1	WA	µg/L
Allyl chloride								<10	UV/I	<10			1	WA	µg/L
Aluminum, total recoverable								130	JU/I	NDD			1	WA	µg/L
Americium-241/Curium-246								<6.4E+01	UV/I	<7.3E+01			1	TM	PC/L
4-Aminobiphenyl								<10	JU/Cl	<10		●	1	WA	µg/L
Aniline								<10	JU/Cl	<10		●	1	WA	µg/L
Anthracene								<27	UV/I	<27		●	1	WA	µg/L
Antimony, total recoverable								<4.0E+02	UV/I	<7.5E+00			1	TM	PC/L
Antimony-124								<2.2E+00	UV/I	<1.7E+01			1	TM	PC/L
Antimony-125								<20	JU/Cl	<20		●	1	WA	µg/L
Aramite								<40	UV/I	<40			1	WA	µg/L
Arsenic, total recoverable								8.5	N/I	<8.0E+00			1	TM	PC/L
Barium, total recoverable								<5.0	UV/I	<5.0			1	WA	µg/L
Barium-133								<0.051	UV/I	<0.051			1	WA	µg/L
Benzene								<0.051	UV/I	<0.051			1	WA	µg/L
alpha-Benzene hexachloride								<0.051	UV/I	<0.051			1	WA	µg/L
beta-Benzene hexachloride								<0.051	UV/I	<0.051			1	WA	µg/L
delta-Benzene hexachloride								<0.051	UV/I	<0.051			1	WA	µg/L
Benzol(a)anthracene								<10	JU/Cl	<10		●	1	WA	µg/L
Benzol(b)fluoranthene								<10	JU/Cl	<10		●	1	WA	µg/L
Benzol(k)fluoranthene								<10	JU/Cl	<10		●	1	WA	µg/L
Benzol acid								<10	JU/Cl	<10		●	1	WA	µg/L
Benzol(g,h,i)pyrene								<10	JU/Cl	<10		●	1	WA	µg/L
Benzol(a)pyrene								<10	JU/Cl	<10		●	1	WA	µg/L
Benzyl alcohol								<1.6	UV/I	<1.6			1	WA	µg/L
Beryllium, total recoverable								<10	JU/Cl	<10		●	1	WA	µg/L
Bis(2-chloroethoxy) methane								<10	JU/Cl	<10		●	1	WA	µg/L
Bis(2-chloroethyl) ether								<10	JU/Cl	<10		●	1	WA	µg/L
Bis(2-chloroisopropyl) ether								<10	JU/Cl	<10		●	1	WA	µg/L
Bis(2-ethylhexyl) phthalate								<0.80	JU/Cl	<10		●	1	WA	µg/L
Boron, total recoverable								<270	UV/I	<270			1	WA	µg/L
Bromodichloromethane								<5.0	UV/I	<5.0			1	WA	µg/L
Bromolorm								<5.0	UV/I	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)								<10	UV/I	<10			1	WA	µg/L
4-Bromophenyl phenyl ether								<10	JU/Cl	<10		●	1	WA	µg/L
Butylbenzyl phthalate								<10	JU/Cl	<10		●	1	WA	µg/L
2-sec-Butyl-4,6-dinitrophenol								<51	JU/Cl	<51		●	1	WA	µg/L
Cadmium, total recoverable								<4.7	UV/I	<4.7			1	WA	µg/L
Carbon disulfide								<5.0	UV/I	<5.0			1	WA	µg/L
Carbon tetrachloride								<5.0	UV/I	<5.0			1	WA	µg/L
Carbon-14								6.6E+03	R/4	<5.0			1	TM	PC/L
Cesium-144								<3.3E+00	UV/I	<3.6E+01			1	TM	PC/L
Cesium-134								<3.2E+01	UV/I	<6.8E+00			1	TM	PC/L
Cesium-137								<8.7E+01	UV/I	<7.1E+00			1	TM	PC/L
alpha-Chlordane								<0.051	UV/I	<0.051			1	WA	µg/L
gamma-Chlordane								<0.051	UV/I	<0.051			1	WA	µg/L
4-Chloraniline								<10	JU/Cl	<10		●	1	WA	µg/L
Chlorobenzene								<5.0	UV/I	<5.0		●	1	WA	µg/L
Chlorobenzilate								<10	JU/Cl	<10		●	1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 31C (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
4-Chloro-m-cresol								<10	JU/Q/	<10		●	1	WA	µg/L
Chloroethane								<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10			1	WA	µg/L
Chloroform								<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10			1	WA	µg/L
2-Chloronaphthalene								<10	JU/Q/	<10		●	1	WA	µg/L
2-Chlorophenol								<10	JU/Q/	<10		●	1	WA	µg/L
4-Chlorophenyl phenyl ether								<10	JU/Q/	<10		●	1	WA	µg/L
Chloroprene								<5.0	U//	<5.0			1	WA	µg/L
Chromium, total recoverable								0.91	J//	NDD			1	WA	µg/L
Chrysene								<10	JU/Q/	<10		●	1	WA	µg/L
Cobalt, total recoverable								0.88	J//	NDD			1	WA	µg/L
Cobalt-57								<9.1E-01	U//	<4.6E+00			1	TM	pCi/L
Cobalt-58								<-1.3E+00	U//	<6.7E+00			1	TM	pCi/L
Cobalt-60								<3.1E+00	U//	<7.6E+00			1	TM	pCi/L
Copper, total recoverable								19	//				1	WA	µg/L
m-Cresol (3-Methylphenol)								<10	U//	<10			1	WA	µg/L
o-Cresol (2-Methylphenol)								<10	JU/Q/	<10		●	1	WA	µg/L
p-Cresol (4-Methylphenol)								<10	JU/Q/	<10		●	1	WA	µg/L
Curium-242								<-2.0E-02	U//	<5.5E-01			1	TM	pCi/L
Curium-243/244								<1.5E-01	U//	<5.8E-01			1	TM	pCi/L
Cyanide								2.6	J//	NDD			1	WA	µg/L
p,p'-DDD								<0.10	U//	<0.10			1	WA	µg/L
p,p'-DDE								<0.10	U//	<0.10			1	WA	µg/L
p,p'-DDT								<0.10	U//	<0.10			1	WA	µg/L
Diallate								<10	JU/Q/	<10		●	1	WA	µg/L
Dibenz(a,h)anthracene								<10	JU/Q/	<10		●	1	WA	µg/L
Dibenzofuran								<10	JU/Q/	<10		●	1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0			1	WA	µg/L
1,2-Dibromo-3-chloropropane								<5.0	U//	<5.0			1	WA	µg/L
1,2-Dibromoethane								<5.0	U//	<5.0			1	WA	µg/L
Dibromomethane (Methylene bromide)								<5.0	U//	<5.0			1	WA	µg/L
Di-n-butyl phthalate								<10	JU/Q/	<10		●	1	WA	µg/L
1,2-Dichlorobenzene								<10	JU/Q/	<10		●	1	WA	µg/L
1,3-Dichlorobenzene								<10	JU/Q/	<10		●	1	WA	µg/L
1,4-Dichlorobenzene								<10	JU/Q/	<10		●	1	WA	µg/L
3,3'-Dichlorobenzidine								<10	JU/Q/	<10		●	1	WA	µg/L
trans-1,4-Dichloro-2-butene								<20	U//	<20			1	WA	µg/L
Dichlorodifluoromethane								<10	U//	<10			1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
cis-1,2-Dichloroethylene								150	//			■	1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane								1.8	J//	NDD			1	WA	µg/L
2,4-Dichlorophenol								<10	JU/Q/	<10		●	1	WA	µg/L
2,6-Dichlorophenol								<10	JU/Q/	<10		●	1	WA	µg/L
2,4-Dichlorophenoxyacetic acid								<1.0	U//	<1.0			1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0			1	WA	µg/L
Dieldrin								<0.10	U//	<0.10			1	WA	µg/L
Diethyl phthalate								<10	JU/Q/	<10		●	1	WA	µg/L
Dimethoate								<0.51	U//	<0.51			1	WA	µg/L
2,4-Dimethyl phenol								<10	JU/Q/	<10		●	1	WA	µg/L
Dimethyl phthalate								<10	JU/Q/	<10		●	1	WA	µg/L
p-Dimethylaminoazobenzene								<10	JU/Q/	<10		●	1	WA	µg/L
7,12-Dimethylbenz(a)anthracene								<10	JU/Q/	<10		●	1	WA	µg/L
3,3'-Dimethylbenzidine								<10	JU/Q/	<10		●	1	WA	µg/L
a,a-Dimethylphenethylamine								<10	JU/Q/	<10		●	1	WA	µg/L
1,3-Dinitrobenzene								<10	JU/Q/	<10		●	1	WA	µg/L
2,4-Dinitrophenol								<26	JU/Q/	<26		●	1	WA	µg/L
2,4-Dinitrotoluene								<10	JU/Q/	<10		●	1	WA	µg/L
2,6-Dinitrotoluene								<10	JU/Q/	<10		●	1	WA	µg/L
Di-n-octyl phthalate								<10	JU/Q/	<10		●	1	WA	µg/L
1,4-Dioxane								250	J//	NDD		●	5	WA	µg/L
Diphenylamine								<10	JU/Q/	<10		●	1	WA	µg/L
Disulfoton								<0.51	U//	<0.51			1	WA	µg/L
Endosulfan sulfate								<0.10	U//	<0.10			1	WA	µg/L
Endosulfan I								<0.051	U//	<0.051			1	WA	µg/L
Endosulfan II								<0.10	U//	<0.10			1	WA	µg/L
Endrin								<0.10	U//	<0.10			1	WA	µg/L
Endrin aldehyde								<0.10	U//	<0.10			1	WA	µg/L
Ethyl methacrylate								<10	JU/Q/	<10		●	1	WA	µg/L
Ethyl methanesulfonate								<10	JU/Q/	<10		●	1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0			1	WA	µg/L
Europium-152								<1.2E+01	U//	<5.1E+01			1	TM	pCi/L
Europium-154								<1.8E+00	U//	<2.1E+01			1	TM	pCi/L
Europium-155								<4.3E+01	JU//	<1.2E+01			1	TM	pCi/L
Famphur								<1.3	U//	<1.3			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 31C (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Fluoranthene								<10	JU/Q/	<10			1	WA	µg/L
Fluorene								<10	JU/Q/	<10			1	WA	µg/L
Gross alpha								4.5E+00	//				1	TM	pCi/L
Heptachlor								<0.051	U//	<0.051			1	WA	µg/L
Heptachlor epoxide								<0.051	U//	<0.051			1	WA	µg/L
Hexachlorobenzene								<10	JU/Q/	<10			1	WA	µg/L
Hexachlorobutadiene								<10	JU/Q/	<10			1	WA	µg/L
Hexachlorocyclopentadiene								<10	JU/Q/	<10			1	WA	µg/L
Hexachlorodibenzo-p-dioxins								<2.1E-04	U//	<2.1E-04			1	WA	µg/L
Hexachlorodibenzo-p-furans								<1.5E-04	U//	<1.5E-04			1	WA	µg/L
Hexachloroethane								<10	JU/Q/	<10			1	WA	µg/L
Hexachlorophene								<100	JU/Q/	<100			1	WA	µg/L
Hexachloropropene								<10	JU/Q/	<10			1	WA	µg/L
2-Hexanone								<10	U//	<10			1	WA	µg/L
Indeno(1,2,3-c,d)pyrene								<10	JU/Q/	<10			1	WA	µg/L
Iodomethane (Methyl iodide)								<5.0	U//	<5.0			1	WA	µg/L
Iron, total recoverable								66	J//	NDD			1	WA	µg/L
Isobutyl alcohol								<100	U//	<100			1	WA	µg/L
Isodrin								<0.10	U//	<0.10			1	WA	µg/L
Isophorone								<10	JU/Q/	<10			1	WA	µg/L
Isosafrole								<10	JU/Q/	<10			1	WA	µg/L
Kepone								<0.51	U//	<0.51			1	WA	µg/L
Lead, total recoverable								5.4	J//	NDD			1	WA	µg/L
Lead-212								<4.4E+00	U//	<9.5E+00			1	TM	pCi/L
Lindane								<0.051	U//	<0.051			1	WA	µg/L
Lithium, total recoverable								0.68	J//	NDD			1	WA	µg/L
Manganese-54								<-2.9E+00	U//	<-7.1E+00			1	TM	pCi/L
Mercury, total recoverable								0.12	J//	NDD			1	WA	µg/L
Methacrylonitrile								<10	U//	<10			1	WA	µg/L
Methapyrilene								<10	JU/Q/	<10			1	WA	µg/L
Methoxychlor								<0.51	U//	<0.51			1	WA	µg/L
2-Methyl-4,6-dinitrophenol								<26	JU/Q/	<26			1	WA	µg/L
Methyl ethyl ketone								<10	U//	<10			1	WA	µg/L
Methyl isobutyl ketone								<10	U//	<10			1	WA	µg/L
Methyl methacrylate								<10	JU/Q/	<10			1	WA	µg/L
Methyl methanesulfonate								<10	JU/Q/	<10			1	WA	µg/L
3-Methylcholanthrene								<10	JU/Q/	<10			1	WA	µg/L
2-Methylnaphthalene								<10	JU/Q/	<10			1	WA	µg/L
Naphthalene								<10	JU/Q/	<10			1	WA	µg/L
1,4-Naphthoquinone								<10	JU/Q/	<10			1	WA	µg/L
1-Naphthylamine								<10	JU/Q/	<10			1	WA	µg/L
2-Naphthylamine								<10	JU/Q/	<10			1	WA	µg/L
Neptunium-237								<2.3E-01	U//	<5.7E-01			1	TM	pCi/L
Neptunium-239								<-4.3E+01	U//	<-2.0E+02			1	TM	pCi/L
Nickel, total recoverable								<26	U//	<26			1	WA	µg/L
m-Nitroaniline								<26	JU/Q/	<26			1	WA	µg/L
o-Nitroaniline								<26	JU/Q/	<26			1	WA	µg/L
p-Nitroaniline								<26	JU/Q/	<26			1	WA	µg/L
Nitrobenzene								<10	JU/Q/	<10			1	WA	µg/L
2-Nitrophenol								<10	JU/Q/	<10			1	WA	µg/L
4-Nitrophenol								<26	JU/Q/	<26			1	WA	µg/L
4-Nitroquinoline-1-oxide								<20	JU/Q/	<20			1	WA	µg/L
N-Nitrosodi-n-butylamine								<10	JU/Q/	<10			1	WA	µg/L
N-Nitrosodiethylamine								<10	JU/Q/	<10			1	WA	µg/L
N-Nitrosodimethylamine								<10	JU/Q/	<10			1	WA	µg/L
N-Nitrosodiphenylamine								<10	JU/Q/	<10			1	WA	µg/L
N-Nitrosodipropylamine								<10	JU/Q/	<10			1	WA	µg/L
N-Nitrosomethylethylamine								<10	JU/Q/	<10			1	WA	µg/L
N-Nitrosomorpholine								<10	JU/Q/	<10			1	WA	µg/L
N-Nitrosopiperidine								<51	JU/Q/	<51			1	WA	µg/L
N-Nitrosopyrrolidine								<10	JU/Q/	<10			1	WA	µg/L
5-Nitro-o-toluidine								<10	JU/Q/	<10			1	WA	µg/L
Nonvolatile beta								3.2E+00	J//	NDD			1	TM	pCi/L
Parathion ethyl								<0.51	U//	<0.51			1	WA	µg/L
Parathion methyl								<0.51	U//	<0.51			1	WA	µg/L
PCB 1016								<1.0	U//	<1.0			1	WA	µg/L
PCB 1221								<2.0	U//	<2.0			1	WA	µg/L
PCB 1232								<1.0	U//	<1.0			1	WA	µg/L
PCB 1242								<1.0	U//	<1.0			1	WA	µg/L
PCB 1248								<1.0	U//	<1.0			1	WA	µg/L
PCB 1254								<1.0	U//	<1.0			1	WA	µg/L
PCB 1260								<1.0	U//	<1.0			1	WA	µg/L
Pentachlorobenzene								<10	JU/Q/	<10			1	WA	µg/L
Pentachlorodibenzo-p-furans								<2.1E-04	U//	<2.1E-04			1	WA	µg/L
Pentachloroethane								<10	JU/Q/	<10			1	WA	µg/L
Pentachloronitrobenzene								<51	JU/Q/	<51			1	WA	µg/L
Pentachlorophenol								<26	JU/Q/	<26			1	WA	µg/L
Phenacetin								<10	JU/Q/	<10			1	WA	µg/L
Phenanthrene								<10	JU/Q/	<10			1	WA	µg/L
Phenol								<10	JU/Q/	<10			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 31C (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Phenols								<37	U//	<37			1	WA	µg/L
p-Phenylenediamine								<10	JU/Q/	<10	●		1	WA	µg/L
Phorate								<1.0	U//	<1.0			1	WA	µg/L
2-Picoline								<10	JU/Q/	<10	●		1	WA	µg/L
Plutonium-238								<8.6E-01	U//	<6.5E-01			1	TM	pCi/L
Plutonium-239/240								<1.6E-01	U//	<4.4E-01			1	TM	pCi/L
Potassium-40								<6.5E+00	U//	<9.6E+01			1	TM	pCi/L
Promethium-144								<1.7E+00	U//	<7.2E+00			1	TM	pCi/L
Promethium-146								<8.6E-01	U//	<1.3E+01			1	TM	pCi/L
Pronamid								<10	JU/Q/	<10	●		1	WA	µg/L
Propionitrile								<50	U//	<50			1	WA	µg/L
Pyrene								<10	JU/Q/	<10	●		1	WA	µg/L
Pyridine								<10	JU/Q/	<10	●		1	WA	µg/L
Radium, total alpha-emitting								2.5E+00	J//	NDD			1	TM	pCi/L
Ruthenium-106								<1.6E+01	U//	<6.2E+01			1	TM	pCi/L
Safrole								<10	JU/Q/	<10	●		1	WA	µg/L
Selenium, total recoverable								<66	U//	<66			1	WA	µg/L
Silver, total recoverable								<1.4	U//	<5.0			1	WA	µg/L
Sodium-22								<6.2E-01	U//	<7.4E+00			1	TM	pCi/L
Strontium-90								1.1E+00	J//	NDD			1	TM	pCi/L
Styrene								<5.0	U//	<5.0			1	WA	µg/L
Sulfate								410	//				1	WA	µg/L
Sulfide								<10,000	JU/Q/	<100	●		1	WA	µg/L
Sulfotep								<1.0	U//	<1.0			1	WA	µg/L
2,4,5-T								<0.50	U//	<0.50			1	WA	µg/L
2,3,7,8-TCDD								<1.0E-04	U//	<1.0E-04			1	WA	µg/L
1,2,4,5-Tetrachlorobenzene								<10	JU/Q/	<10	●		1	WA	µg/L
Tetrachlorodibenzo-p-dioxins								<1.0E-04	U//	<1.0E-04			1	WA	µg/L
Tetrachlorodibenzo-p-furans								<1.3E-04	U//	<1.3E-04			1	WA	µg/L
1,1,1,2-Tetrachloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene								9.1	//		■		1	WA	µg/L
2,3,4,6-Tetrachlorophenol								<10	JU/Q/	<10	●		1	WA	µg/L
Thallium, total recoverable								<55	U//	<55			1	WA	µg/L
Thionazin								<0.51	U//	<0.51			1	WA	µg/L
Thorium-228								<1.6E-01	U//	<4.8E-01			1	TM	pCi/L
Thorium-230								<2.8E-01	U//	<4.2E-01			1	TM	pCi/L
Thorium-232								<3.0E-02	U//	<3.0E-01			1	TM	pCi/L
Tin, total recoverable								<70	U//	<70			1	WA	µg/L
Tin-113								<1.5E+00	U//	<7.6E+00			1	TM	pCi/L
Toluene								<5.0	U//	<5.0			1	WA	µg/L
o-Toluidine								<10	JU/Q/	<10	●		1	WA	µg/L
Total dissolved solids								19,000	J/Q/	NDD	●		1	WA	µg/L
Total organic carbon								5,100	//				1	WA	µg/L
Total organic halogens								130	//				1	WA	µg/L
Toxaphene								<5.1	U//	<5.1			1	WA	µg/L
2,4,5-TP (Silvex)								<0.50	U//	<0.50			1	WA	µg/L
1,2,4-Trichlorobenzene								<10	JU/Q/	<10	●		1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene								2.8	J//	NDD			1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0			1	WA	µg/L
2,4,5-Trichlorophenol								<26	JU/Q/	<26	●		1	WA	µg/L
2,4,6-Trichlorophenol								<10	JU/Q/	<10	●		1	WA	µg/L
1,2,3-Trichloropropane								<5.0	U//	<5.0			1	WA	µg/L
O,O,O-Triethyl phosphorothioate								<0.51	U//	<0.51			1	WA	µg/L
1,3,5-Trinitrobenzene								<10	JU/Q/	<10	●		1	WA	µg/L
Tritium								8.4E+03	//		■		1	TM	pCi/mL
Uranium-234								<3.3E-01	U//	<3.7E-01			1	TM	pCi/L
Uranium-235								<1.0E-02	U//	<3.0E-01			1	TM	pCi/L
Uranium-238								<1.5E-01	U//	<4.1E-01			1	TM	pCi/L
Vanadium, total recoverable								<6.9	U//	<6.9			1	WA	µg/L
Vinyl acetate								<10	U//	<10			1	WA	µg/L
Xylenes								<5.0	U//	<5.0			1	WA	µg/L
Yttrium-88								<1.6E+00	U//	<6.2E+00			1	TM	pCi/L
Zinc, total recoverable								12	J//	NDD			1	WA	µg/L
Zinc-65								<3.6E+00	U//	<1.5E+01			1	TM	pCi/L
Zirconium-95								<6.2E+00	U//	<1.2E+01			1	TM	pCi/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 31D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74985.3 E54841.7	33.281099 °N 81.668048 °W	231.1-211.1 ft msl	273.7 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 12/07/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		226.3	ft msl
pH		4.6	pH
Sp. conductance		32	µS/cm
Water temperature		21.6	°C
Alkalinity as CaCO3		0	mg/L
Turbidity		12.9	NTU
Volumes purged		0.3	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Acenaphthylene								<10	JU/Q/	<10		●	1	WA	µg/L
Acetone								<4.4	U//	<10			1	WA	µg/L
Acetonitrile (Methyl cyanide)								<20	U//	<20			1	WA	µg/L
Acetophenone								<10	JU/Q/	<10		●	1	WA	µg/L
2-Acetylaminofluorene								<10	JU/Q/	<10		●	1	WA	µg/L
Acrolein								<20	U//	<20			1	WA	µg/L
Acrylonitrile								<5.0	U//	<5.0			1	WA	µg/L
Aldrin								<0.055	U//	<0.055			1	WA	µg/L
Alkalinity (as CaCO3)								<13,000	U//	<130			1	WA	µg/L
Allyl chloride								<10	U//	<10			1	WA	µg/L
Aluminum, total recoverable								78	J//	NDD			1	WA	µg/L
4-Aminobiphenyl								<10	JU/Q/	<10		●	1	WA	µg/L
Aniline								<10	JU/Q/	<10		●	1	WA	µg/L
Anthracene								<10	JU/Q/	<10		●	1	WA	µg/L
Antimony, total recoverable								<27	U//	<27			1	WA	µg/L
Aramite								<21	JU/Q/	<21		●	1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40			1	WA	µg/L
Barium, total recoverable								4.5	//				1	WA	µg/L
Benzene								<5.0	U//	<5.0			1	WA	µg/L
alpha-Benzene hexachloride								<0.055	U//	<0.055			1	WA	µg/L
beta-Benzene hexachloride								<0.055	U//	<0.055			1	WA	µg/L
delta-Benzene hexachloride								<0.055	U//	<0.055			1	WA	µg/L
Benzo(a)anthracene								<10	JU/Q/	<10		●	1	WA	µg/L
Benzo(b)fluoranthene								<10	JU/Q/	<10		●	1	WA	µg/L
Benzo(k)fluoranthene								<10	JU/Q/	<10		●	1	WA	µg/L
Benzoic acid								0.77	J//Q/	NDD		●	1	WA	µg/L
Benzo(g,h,i)perylene								<10	JU/Q/	<10		●	1	WA	µg/L
Benzo(a)pyrene								<10	JU/Q/	<10		●	1	WA	µg/L
Benzyl alcohol								<10	JU/Q/	<10		●	1	WA	µg/L
Beryllium, total recoverable								<0.55	U//	<1.6			1	WA	µg/L
Bis(2-chloroethoxy) methane								<10	JU/Q/	<10		●	1	WA	µg/L
Bis(2-chloroethyl) ether								<10	JU/Q/	<10		●	1	WA	µg/L
Bis(2-chloroisopropyl) ether								<10	JU/Q/	<10		●	1	WA	µg/L
Bis(2-ethylhexyl) phthalate								<10	JU/Q/	<10		●	1	WA	µg/L
Boron, total recoverable								<270	U//	<270			1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0			1	WA	µg/L
Bromoform								<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10			1	WA	µg/L
4-Bromophenyl phenyl ether								<10	JU/Q/	<10		●	1	WA	µg/L
Butylbenzyl phthalate								<10	JU/Q/	<10		●	1	WA	µg/L
2-sec-Butyl-4,6-dinitrophenol								<52	JU/Q/	<52		●	1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7			1	WA	µg/L
Carbon disulfide								<5.0	U//	<5.0			1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0			1	WA	µg/L
alpha-Chlordane								<0.055	U//	<0.055			1	WA	µg/L
gamma-Chlordane								<0.055	U//	<0.055			1	WA	µg/L
4-Chloroaniline								<10	JU/Q/	<10		●	1	WA	µg/L
Chlorobenzene								<5.0	U//	<5.0			1	WA	µg/L
Chlorobenzilate								<10	JU/Q/	<10		●	1	WA	µg/L
4-Chloro-m-cresol								<10	JU/Q/	<10		●	1	WA	µg/L
Chloroethane								<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10			1	WA	µg/L
Chloroform								<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10			1	WA	µg/L
2-Chloronaphthalene								<10	JU/Q/	<10		●	1	WA	µg/L
2-Chlorophenol								<10	JU/Q/	<10		●	1	WA	µg/L
4-Chlorophenyl phenyl ether								<10	JU/Q/	<10		●	1	WA	µg/L
Chloroprene								<5.0	U//	<5.0			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 31D (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Chromium, total recoverable								<3.3	U/V/	<7.0				1 WA	µg/L
Chrysene								<10	JU/Q/	<10		●		1 WA	µg/L
Cobalt, total recoverable								0.59	J/N/	NDD				1 WA	µg/L
Copper, total recoverable								48	//					1 WA	µg/L
m-Cresol (3-Methylphenol)								<10	U//	<10				1 WA	µg/L
o-Cresol (2-Methylphenol)								<10	JU/Q/	<10		●		1 WA	µg/L
p-Cresol (4-Methylphenol)								<10	JU/Q/	<10		●		1 WA	µg/L
Cyanide								<15	U//	<15				1 WA	µg/L
p,p'-DDD								<0.11	U//	<0.11				1 WA	µg/L
p,p'-DDE								0.15	//					1 WA	µg/L
p,p'-DDT								<0.11	U//	<0.11				1 WA	µg/L
Diallate								<10	JU/Q/	<10		●		1 WA	µg/L
Dibenz(a,h)anthracene								<10	JU/Q/	<10		●		1 WA	µg/L
Dibenzofuran								<10	JU/Q/	<10		●		1 WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1 WA	µg/L
1,2-Dibromo-3-chloropropane								<5.0	U//	<5.0				1 WA	µg/L
1,2-Dibromoethane								<5.0	U//	<5.0				1 WA	µg/L
Dibromomethane (Methylene bromide)								<5.0	U//	<5.0				1 WA	µg/L
Di-n-butyl phthalate								<10	JU/Q/	<10		●		1 WA	µg/L
1,2-Dichlorobenzene								<10	JU/Q/	<10		●		1 WA	µg/L
1,3-Dichlorobenzene								<10	JU/Q/	<10		●		1 WA	µg/L
1,4-Dichlorobenzene								<10	JU/Q/	<10		●		1 WA	µg/L
3,3'-Dichlorobenzidine								<10	JU/Q/	<10		●		1 WA	µg/L
trans-1,4-Dichloro-2-butene								<20	U//	<20				1 WA	µg/L
Dichlorodifluoromethane								5.6	J//	NDD				1 WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1 WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1 WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1 WA	µg/L
cis-1,2-Dichloroethylene								3.1	J//	NDD				1 WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1 WA	µg/L
Dichloromethane								<1.5	U//	<5.0				1 WA	µg/L
2,4-Dichlorophenol								<10	JU/Q/	<10		●		1 WA	µg/L
2,6-Dichlorophenol								<10	JU/Q/	<10		●		1 WA	µg/L
2,4-Dichlorophenoxyacetic acid								<1.0	U//	<1.0				1 WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1 WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1 WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1 WA	µg/L
Dieldrin								<0.11	U//	<0.11				1 WA	µg/L
Diethyl phthalate								<10	JU/Q/	<10		●		1 WA	µg/L
Dimethoate								<0.51	U//	<0.51				1 WA	µg/L
2,4-Dimethyl phenol								<10	JU/Q/	<10		●		1 WA	µg/L
Dimethyl phthalate								<10	JU/Q/	<10		●		1 WA	µg/L
p-Dimethylaminoazobenzene								<10	JU/Q/	<10		●		1 WA	µg/L
7,12-Dimethylbenz(a)anthracene								<10	JU/Q/	<10		●		1 WA	µg/L
3,3'-Dimethylbenzidine								<10	JU/Q/	<10		●		1 WA	µg/L
1,3-Dinitrobenzene								<10	JU/Q/	<10		●		1 WA	µg/L
2,4-Dinitrophenol								<26	JU/Q/	<26		●		1 WA	µg/L
2,4-Dinitrotoluene								<10	JU/Q/	<10		●		1 WA	µg/L
2,6-Dinitrotoluene								<10	JU/Q/	<10		●		1 WA	µg/L
Di-n-octyl phthalate								<10	JU/Q/	<10		●		1 WA	µg/L
1,4-Dioxane								3.2	J//	NDD		●		1 WA	µg/L
Diphenylamine								<10	JU/Q/	<10		●		1 WA	µg/L
Disulfoton								<0.51	U//	<0.51				1 WA	µg/L
Endosulfan sulfate								<0.11	U//	<0.11				1 WA	µg/L
Endosulfan I								<0.055	U//	<0.055				1 WA	µg/L
Endosulfan II								<0.11	U//	<0.11				1 WA	µg/L
Endrin								<0.11	U//	<0.11				1 WA	µg/L
Endrin aldehyde								<0.11	U//	<0.11				1 WA	µg/L
Ethyl methacrylate								<10	JU/Q/	<10		●		1 WA	µg/L
Ethyl methanesulfonate								<10	JU/Q/	<10		●		1 WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1 WA	µg/L
Famphur								<1.3	U//	<1.3				1 WA	µg/L
Fluoranthene								<10	JU/Q/	<10		●		1 WA	µg/L
Fluorene								<10	JU/Q/	<10		●		1 WA	µg/L
Gross alpha								4.4E+00	//					1 TM	pCi/L
Heptachlor								<0.055	U//	<0.055				1 WA	µg/L
Heptachlor epoxide								<0.055	U//	<0.055				1 WA	µg/L
Hexachlorobenzene								<10	JU/Q/	<10		●		1 WA	µg/L
Hexachlorobutadiene								<10	JU/Q/	<10		●		1 WA	µg/L
Hexachlorocyclopentadiene								<10	JU/Q/	<10		●		1 WA	µg/L
Hexachlorodibenzo-p-dioxins								<2.0E-04	U//	<2.0E-04				1 WA	µg/L
Hexachlorodibenzo-p-furans								<1.1E-04	U//	<1.1E-04				1 WA	µg/L
Hexachloroethane								<10	JU/Q/	<10		●		1 WA	µg/L
Hexachlorophene								<100	JU/Q/	<100		●		1 WA	µg/L
Hexachloropropene								<10	JU/Q/	<10		●		1 WA	µg/L
2-Hexanone								<10	U//	<10				1 WA	µg/L
Indeno(1,2,3-c,d)pyrene								<10	JU/Q/	<10		●		1 WA	µg/L
Iodomethane (Methyl iodide)								<5.0	U//	<5.0				1 WA	µg/L
Iron, total recoverable								310	//					1 WA	µg/L
Isobutyl alcohol								<100	U//	<100				1 WA	µg/L
Isodrin								<0.11	U//	<0.11				1 WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 31D (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Isophorone								<10	JU/Q/	<10	●	1		WA	µg/L
Isosafrole								<10	JU/Q/	<10	●	1		WA	µg/L
Kepona								<0.55	U//	<0.55			1	WA	µg/L
Lead, total recoverable								7.9	J//	NDD			1	WA	µg/L
Lindane								<0.055	U//	<0.055			1	WA	µg/L
Lithium, total recoverable								0.37	J//	NDD			1	WA	µg/L
Mercury, total recoverable								<2.0	U//	<2.0			1	WA	µg/L
Methacrylonitrile								<10	U//	<10			1	WA	µg/L
Methapyrene								<10	JU/Q/	<10	●	1		WA	µg/L
Methoxychlor								<0.55	U//	<0.55			1	WA	µg/L
2-Methyl-4,6-dinitrophenol								<26	JU/Q/	<26	●	1		WA	µg/L
Methyl ethyl ketone								<10	U//	<10			1	WA	µg/L
Methyl isobutyl ketone								<10	U//	<10			1	WA	µg/L
Methyl methacrylate								<10	JU/Q/	<10	●	1		WA	µg/L
Methyl methanesulfonate								<10	JU/Q/	<10	●	1		WA	µg/L
3-Methylcholanthrene								<10	JU/Q/	<10	●	1		WA	µg/L
2-Methylnaphthalene								<10	JU/Q/	<10	●	1		WA	µg/L
Naphthalene								<10	JU/Q/	<10	●	1		WA	µg/L
1,4-Naphthoquinone								<10	JU/Q/	<10	●	1		WA	µg/L
1-Naphthylamine								<10	JU/Q/	<10	●	1		WA	µg/L
2-Naphthylamine								<10	JU/Q/	<10	●	1		WA	µg/L
Nickel, total recoverable								<26	U//	<26			1	WA	µg/L
m-Nitroaniline								<26	JU/Q/	<26	●	1		WA	µg/L
o-Nitroaniline								<26	JU/Q/	<26	●	1		WA	µg/L
p-Nitroaniline								<26	JU/Q/	<26	●	1		WA	µg/L
Nitrobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
2-Nitrophenol								<10	JU/Q/	<10	●	1		WA	µg/L
4-Nitrophenol								<26	JU/Q/	<26	●	1		WA	µg/L
4-Nitroquinoline-1-oxide								<21	JU/Q/	<21	●	1		WA	µg/L
N-Nitrosodi-n-butylamine								<10	JU/Q/	<10	●	1		WA	µg/L
N-Nitrosodiethylamine								<10	JU/Q/	<10	●	1		WA	µg/L
N-Nitrosodimethylamine								<10	JU/Q/	<10	●	1		WA	µg/L
N-Nitrosodiphenylamine								<10	JU/Q/	<10	●	1		WA	µg/L
N-Nitrosodipropylamine								<10	JU/Q/	<10	●	1		WA	µg/L
N-Nitrosomethylethylamine								<10	JU/Q/	<10	●	1		WA	µg/L
N-Nitrosomorpholine								<10	JU/Q/	<10	●	1		WA	µg/L
N-Nitrosopiperidine								<52	JU/Q/	<52	●	1		WA	µg/L
N-Nitrosopyrrolidine								<10	JU/Q/	<10	●	1		WA	µg/L
5-Nitro-o-toluidine								<10	JU/Q/	<10	●	1		WA	µg/L
Nonvolatile beta								2.7E+00	J//	NDD			1	TM	pCi/L
Parathion ethyl								<0.51	U//	<0.51			1	WA	µg/L
Parathion methyl								<0.51	U//	<0.51			1	WA	µg/L
PCB 1016								<1.1	U//	<1.1			1	WA	µg/L
PCB 1221								<2.2	U//	<2.2			1	WA	µg/L
PCB 1232								<1.1	U//	<1.1			1	WA	µg/L
PCB 1242								<1.1	U//	<1.1			1	WA	µg/L
PCB 1248								<1.1	U//	<1.1			1	WA	µg/L
PCB 1254								<1.1	U//	<1.1			1	WA	µg/L
PCB 1260								<1.1	U//	<1.1			1	WA	µg/L
Pentachlorobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
Pentachlorodibenzo-p-furans								<2.0E-04	U//	<2.0E-04			1	WA	µg/L
Pentachloroethane								<10	JU/Q/	<10	●	1		WA	µg/L
Pentachloronitrobenzene								<52	JU/Q/	<52	●	1		WA	µg/L
Pentachlorophenol								<26	JU/Q/	<26	●	1		WA	µg/L
Phenacetin								<10	JU/Q/	<10	●	1		WA	µg/L
Phenanthrene								<10	JU/Q/	<10	●	1		WA	µg/L
Phenol								<10	JU/Q/	<10	●	1		WA	µg/L
Phenols								<37	U//	<37			1	WA	µg/L
p-Phenylenediamine								<10	JU/Q/	<10	●	1		WA	µg/L
Phorate								<1.0	U//	<1.0			1	WA	µg/L
2-Picoline								<10	JU/Q/	<10	●	1		WA	µg/L
Pronamid								<10	JU/Q/	<10	●	1		WA	µg/L
Propionitrile								<50	U//	<50			1	WA	µg/L
Pyrene								<10	JU/Q/	<10	●	1		WA	µg/L
Pyridine								<10	JU/Q/	<10	●	1		WA	µg/L
Safrole								<10	JU/Q/	<10	●	1		WA	µg/L
Selenium, total recoverable								<66	U//	<66			1	WA	µg/L
Silver, total recoverable								0.50	J//	NDD			1	WA	µg/L
Strontium-90								1.9E-01	U//	<1.0E+00			1	TM	pCi/L
Styrene								<5.0	U//	<5.0			1	WA	µg/L
Sulfate								260	J//	NDD			1	WA	µg/L
Sulfide								1,600	J//	NDD	●	1		WA	µg/L
Sulfotep								<1.0	U//	<1.0			1	WA	µg/L
2,4,5-T								<0.50	U//	<0.50			1	WA	µg/L
2,3,7,8-TCDD								<2.0E-04	U//	<2.0E-04			1	WA	µg/L
1,2,4,5-Tetrachlorobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
Tetrachlorodibenzo-p-dioxins								<2.0E-04	U//	<2.0E-04			1	WA	µg/L
Tetrachlorodibenzo-p-furans								<7.0E-05	U//	<7.0E-05			1	WA	µg/L
1,1,1,2-Tetrachloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 31D (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
2,3,4,6-Tetrachlorophenol								<10	JU/Q/	<10		●	1	WA	µg/L
Thallium, total recoverable								<55	U//	<55			1	WA	µg/L
Thionazin								<0.51	U//	<0.51			1	WA	µg/L
Tin, total recoverable								<70	U//	<70			1	WA	µg/L
Toluene								<5.0	U//	<5.0			1	WA	µg/L
o-Toluidine								<10	JU/Q/	<10		●	1	WA	µg/L
Total dissolved solids								<50,000	JU/Q/	<500		●	1	WA	µg/L
Total organic carbon								660	J//	NDD			1	WA	µg/L
Total organic halogens								15	J//	NDD			1	WA	µg/L
Toxaphene								<5.5	U//	<5.5			1	WA	µg/L
2,4,5-TP (Silvex)								<0.50	U//	<0.50			1	WA	µg/L
1,2,4-Trichlorobenzene								<10	JU/Q/	<10		●	1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0			1	WA	µg/L
2,4,5-Trichlorophenol								<26	JU/Q/	<26		●	1	WA	µg/L
2,4,6-Trichlorophenol								<10	JU/Q/	<10		●	1	WA	µg/L
1,2,3-Trichloropropane								<5.0	U//	<5.0			1	WA	µg/L
O,O,O-Triethyl phosphorothioate								<0.51	U//	<0.51			1	WA	µg/L
1,3,5-Trinitrobenzene								<10	JU/Q/	<10		●	1	WA	µg/L
Tritium								1.2E+02	U//		■		1	TM	pCi/mL
Vanadium, total recoverable								<6.9	U//	<6.9			1	WA	µg/L
Vinyl acetate								<10	U//	<10			1	WA	µg/L
Xylenes								<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable								34	J//	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 32D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74727.0 E55250.2	33.281195 °N 81.666471 °W	234.5-214.5 ft msl	281.7 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 11/12/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		227.5	ft msl
pH		4.0	pH
Sp. conductance		100	µS/cm
Water temperature		19.5	°C
Alkalinity as CaCO3		0	mg/L
Turbidity		12	NTU
Volumes purged		0.12	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								<13,000	U//	<130				1	WA µg/L
Aluminum, total recoverable								600	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								320	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<1.5E+02	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								3.7	J//	NDD				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								<3.0	U//	<7.0				1	WA µg/L
Copper, total recoverable								97	//					1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								1.2E+01	//					1	TM pCi/L
Iron, total recoverable								920	N//					1	WA µg/L
Lead, total recoverable								80	//					1	WA µg/L
Lithium, total recoverable								0.30	J//	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								8.9E+00	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								4.3E+00	//					1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<1.0	U//	<5.0				1	WA µg/L
Strontium-90								<1.6E-01	U//	<1.3E+00				1	TM pCi/L
Sulfate								270	J//	NDD				1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								54,000	J//	NDD				1	WA µg/L
Total organic carbon								330	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								1.6E+02	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								32	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 33C

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

SAMPLE DATE 06/15/98

12/17/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	226.2	224.4	ft msl
pH	5.2	5.2	pH
Sp. conductance	62	56	µS/cm
Water temperature	20.0	20.2	°C
Alkalinity as CaCO ₃	7	2	mg/L
Turbidity	2	1	NTU
Volumes purged	0.72	1.3	Well vol
Sampling code		CN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	10,000	J/Q/	NDD	●		1	WA	<5,200	U/N/	<130			1	WA	µg/L
Aluminum, total recoverable	200	//				1	WA	58	J/I/	NDD			1	WA	µg/L
Antimony, total recoverable	<10	U//	<10			1	GE	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<5.0	U//	<5.0			1	GE	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	14	N/				1	WA	11	//				1	WA	µg/L
Benzene	2.6	J/E/	NDD			2	WA	1.0	J/I/Q/	NDD	●		1	WA	µg/L
Beryllium, total recoverable	0.41	J/E/	NDD			1	GE						1	WA	µg/L
Boron, total recoverable	<50	U//	<50			1	GE	<270	U//	<270			1	WA	µg/L
Bromide	3,400	N/				1	GE						1	WA	µg/L
Bromodichloromethane	<1.0	UJ/Q/	<1.0			1	GE	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Bromoform	<1.0	UJ/Q/	<1.0			1	GE	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Bromomethane (Methyl bromide)	20	J/Q/	NDD	●		2	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	0.58	J/EX/	NDD			1	GE	<4.7	U//	<4.7			1	WA	µg/L
Calcium, total recoverable	5,300	N/				1	GE						1	WA	µg/L
Carbon tetrachloride	1.1	J/O/	NDD			1	GE	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Carbon-14	2.9E+01	//				1	GP	1.1E+04	R/I/4				1	TM	pCi/L
Chloride	9,000	//				1	WA						1	WA	µg/L
Chlorobenzene	<1.0	UJ/Q/	<1.0			1	GE	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Chloroethane	<1.0	UJ/Q/	<1.0			1	GE	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<1.0	UJ/Q/	<1.0			1	GE	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<5.0	UJ/Q/	<5.0			1	GE	<10	JU/Q/	<10	●		1	WA	µg/L
Chloroform	16	J/Q/	NDD			1	GE	12	J/Q/	NDD	●		1	WA	µg/L
Chloromethane (Methyl chloride)	<1.0	UJ/Q/	<1.0			1	GE	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	3.2	J/E/	NDD			1	WA	2.1	J/I/	NDD			1	WA	µg/L
Cobalt, total recoverable	2.3	J/E/	NDD			1	WA						1	WA	µg/L
Copper, total recoverable	33	N/				1	WA	1.8	J/I/	NDD			1	WA	µg/L
Cyanide	<10	UJ/C/	<10			1	GE						1	WA	µg/L
Dibromochloromethane	<1.0	UJ/Q/	<1.0			1	GE	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,1-Dichloroethane	0.92	J/EQ/	NDD			1	GE	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<1.0	UJ/Q/	<1.0			1	GE	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,1-Dichloroethylene	0.76	J/EQ/	NDD			1	GE	<5.0	U//	<5.0			1	WA	µg/L
trans-1,2-Dichloroethylene	<1.0	UJ/Q/	<1.0			1	GE	<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	0.87	J/EQ/	NDD			1	GE	<2.6	JU/QV/	<5.0	●		1	WA	µg/L
1,2-Dichloropropane	<1.0	UJ/Q/	<1.0			1	GE	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
cis-1,3-Dichloropropene	<1.0	UJ/Q/	<1.0			1	GE	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
trans-1,3-Dichloropropene	<1.0	UJ/Q/	<1.0			1	GE	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Ethylbenzene	<1.0	UJ/Q/	<1.0			1	GE	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Gross alpha	3.8E+00	//				1	TM	1.9E+00	J/I/	NDD			1	TM	pCi/L
Iron, total recoverable	440	N/				1	WA	36	J/I/	NDD			1	WA	µg/L
Lead, total recoverable	12	J/E/	NDD			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	3.1	N/				1	WA	1.7	J/I/	NDD			1	WA	µg/L
Magnesium, total recoverable	820	N/				1	WA						1	WA	µg/L
Manganese, total recoverable	53	//				1	GE						1	WA	µg/L
Mercury, total recoverable	7.6	//				1	WA	5.1	//				1	WA	µg/L
Nickel, total recoverable	3.7	J/E/	NDD			1	GE	2.7	J/I/	NDD			1	WA	µg/L
Nitrate as nitrogen	1,200	J/QV/1	NDD	●		1	GE						1	WA	µg/L
Nonvolatile beta	2.3E+01	J/X/	NDD			1	TM	2.3E+00	J/I/	NDD			1	TM	pCi/L
Phenols	5.1	J/E/	NDD			1	WA	<37	U//	<37			1	WA	µg/L
Potassium, total recoverable	2,100	//				1	GE						1	WA	µg/L
Radium, total alpha-emitting	1.4E+00	J/I/	NDD			1	TM	<5.2E-01	U//	<1.4E+00			1	TM	pCi/L
Selenium, total recoverable	4.1	J/E/	NDD			1	GE	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<5.0	U//	<5.0			1	GE	0.68	J/I/	NDD			1	WA	µg/L
Sodium, total recoverable	4,700	//				1	GE						1	WA	µg/L
Strontium-90	<0.0E+00	U//	<2.6E+00			1	TM	<1.0E+00	U//	<1.2E+00			1	TM	pCi/L
Sulfate	670	//				1	WA	650	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<1.0	UJ/Q/	<1.0			1	GE	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Tetrachloroethylene	7.8	J/EQ/	NDD	●		2	WA	5.0	J/I/Q/	NDD	●		1	WA	µg/L
Thallium, total recoverable	8.3	J/E/	NDD			1	WA						1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 33C (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Tin, total recoverable	7.2	J/E/	NDD			1	GE	<70	U//	<70			1	WA	µg/L
Toluene	430	J/O/	NDD			10	GE	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Total dissolved solids	540,000	J/QV/	NDD		●	1	WA	32,000	J/IQ/	NDD	●		1	WA	µg/L
Total organic carbon	1,000	J/Q/	NDD		●	1	WA	640	J//	NDD			1	WA	µg/L
Total organic halogens	270	//				1	WA	250	//				1	WA	µg/L
1,1,1-Trichloroethane	<1.0	UJ/O/	<1.0			1	GE	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
1,1,2-Trichloroethane	<1.0	UJ/O/	<1.0			1	GE	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Trichloroethylene	48	J/O/	NDD			1	GE	32	J/Q/	NDD	●		1	WA	µg/L
Trichlorofluoromethane	1.9	J/E/	NDD			2	WA	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Tritium	1.5E+04	//		■		1	GP	1.5E+04	//		■		1	TM	pCi/mL
Vanadium, total recoverable	1.4	J/E/	NDD			1	WA								µg/L
m/p-Xylene	0.92	J/EO/	NDD			1	GE								µg/L
Xylenes	<1.0	UJ/O/	<1.0			1	GE	<5.0	JU/Q/	<5.0	●		1	WA	µg/L
Zinc, total recoverable	48	/N/				1	GE	5.5	J//	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 33D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74468.7 E55695.4	33.281350 °N 81.664797 °W	233.1-213.1 ft msl	280.3 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 11/24/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		230.4	ft msl
pH		4.2	pH
Sp. conductance		59	µS/cm
Water temperature		19.5	°C
Alkalinity as CaCO ₃		0	mg/L
Turbidity		13	NTU
Volumes purged		0.44	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								<13,000	U//	<130				1	WA µg/L
Aluminum, total recoverable								180	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								12	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<1.1E+02	U//	<1.7E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								1.1	J//	NDD				1	WA µg/L
Copper, total recoverable								14	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								7.1E+00	//					1	TM pCi/L
Iron, total recoverable								230	//					1	WA µg/L
Lead, total recoverable								5.3	J//	NDD				1	WA µg/L
Lithium, total recoverable								<2.7	U//	<2.7				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								7.3E+00	//					1	TM pCi/L
Phenols								<37	JU/Q/	<37				1	WA µg/L
Radium, total alpha-emitting								2.3E+00	//					1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<-5.3E-01	U//	<1.2E+00				1	TM pCi/L
Sulfate								240	J//	NDD				1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								29,000	J//Q/	NDD				1	WA µg/L
Total organic carbon								470	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								2.1E+01	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								5.3	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 34D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74228.8 E56082.6	33.281451 °N 81.663311 °W	232.7-212.7 ft msl	274.9 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 10/26/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		232.7	ft msl
pH		4.9	pH
Sp. conductance		29	µS/cm
Water temperature		21.1	°C
Alkalinity as CaCO3		1	mg/L
Turbidity		8	NTU
Volumes purged		0.38	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Acenaphthene								<10	JU/Q/	<10		●	1	WA	µg/L	
Acenaphthylene								<10	JU/Q/	<10		●	1	WA	µg/L	
Acetone								<2.8	U/N/	<10				1	WA	µg/L
Acetonitrile (Methyl cyanide)								<20	U//	<20				1	WA	µg/L
Acetophenone								<10	JU/Q/	<10		●	1	WA	µg/L	
2-Acetylamino fluorene								<10	JU/Q/	<10		●	1	WA	µg/L	
Acrolein								<20	U//	<20				1	WA	µg/L
Acrylonitrile								<5.0	U//	<5.0				1	WA	µg/L
Aldrin								<0.053	U//	<0.053				1	WA	µg/L
Alkalinity (as CaCO3)								5,300	J//	NDD				1	WA	µg/L
Allyl chloride								<10	U//	<10				1	WA	µg/L
Aluminum, total recoverable								100	J//	NDD				1	WA	µg/L
4-Aminobiphenyl								<10	JU/Q/	<10		●	1	WA	µg/L	
Aniline								<10	JU/Q/	<10		●	1	WA	µg/L	
Anthracene								<10	JU/Q/	<10		●	1	WA	µg/L	
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Aramite								<21	JU/Q/	<21		●	1	WA	µg/L	
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								16	//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
alpha-Benzene hexachloride								<0.053	U//	<0.053				1	WA	µg/L
beta-Benzene hexachloride								<0.053	U//	<0.053				1	WA	µg/L
delta-Benzene hexachloride								<0.053	U//	<0.053				1	WA	µg/L
Benzo(a)anthracene								<10	JU/Q/	<10		●	1	WA	µg/L	
Benzo(b)fluoranthene								<10	JU/Q/	<10		●	1	WA	µg/L	
Benzo(k)fluoranthene								<10	JU/Q/	<10		●	1	WA	µg/L	
Benzoic acid								<26	JU/Q/	<26		●	1	WA	µg/L	
Benzo(g,h,i)perylene								<10	JU/Q/	<10		●	1	WA	µg/L	
Benzo(a)pyrene								<10	JU/Q/	<10		●	1	WA	µg/L	
Benzyl alcohol								<10	JU/Q/	<10		●	1	WA	µg/L	
Beryllium, total recoverable								<0.54	U/N/	<1.6				1	WA	µg/L
Bis(2-chloroethoxy) methane								<10	JU/Q/	<10		●	1	WA	µg/L	
Bis(2-chloroethyl) ether								<10	JU/Q/	<10		●	1	WA	µg/L	
Bis(2-chloroisopropyl) ether								<10	JU/Q/	<10		●	1	WA	µg/L	
Bis(2-ethylhexyl) phthalate								<10	JU/Q/	<10		●	1	WA	µg/L	
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
4-Bromophenyl phenyl ether								<10	JU/Q/	<10		●	1	WA	µg/L	
Butylbenzyl phthalate								<10	JU/Q/	<10		●	1	WA	µg/L	
2-sec-Butyl-4,6-dinitrophenol								<52	JU/Q/	<52		●	1	WA	µg/L	
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon disulfide								<5.0	U//	<5.0				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
alpha-Chlordane								<0.053	U//	<0.053				1	WA	µg/L
gamma-Chlordane								<0.053	U//	<0.053				1	WA	µg/L
4-Chloroaniline								<10	JU/Q/	<10		●	1	WA	µg/L	
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chlorobenzilate								<10	JU/Q/	<10		●	1	WA	µg/L	
4-Chloro-m-cresol								<10	JU/Q/	<10		●	1	WA	µg/L	
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloronaphthalene								<10	JU/Q/	<10		●	1	WA	µg/L	
2-Chlorophenol								<10	JU/Q/	<10		●	1	WA	µg/L	
4-Chlorophenyl phenyl ether								<10	JU/Q/	<10		●	1	WA	µg/L	

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 34D (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Chloroprene								<5.0	U//	<5.0				1	WA µg/L
Chromium, total recoverable								<1.4	U//	<7.0				1	WA µg/L
Chrysene								<10	JU/Q/	<10				1	WA µg/L
Cobalt, total recoverable								0.75	J//	NDD				1	WA µg/L
Copper, total recoverable								13	J//	NDD				1	WA µg/L
m-Cresol (3-Methylphenol)								<10	U//	<10				1	WA µg/L
o-Cresol (2-Methylphenol)								<10	JU/Q/	<10				1	WA µg/L
p-Cresol (4-Methylphenol)								<10	JU/Q/	<10				1	WA µg/L
Cyanide								<15	U//	<15				1	WA µg/L
p,p'-DDD								<0.11	U//	<0.11				1	WA µg/L
p,p'-DDE								<0.11	U//	<0.11				1	WA µg/L
p,p'-DDT								<0.11	U//	<0.11				1	WA µg/L
Diallyl								<10	JU/Q/	<10				1	WA µg/L
Dibenz(a,h)anthracene								<10	JU/Q/	<10				1	WA µg/L
Dibenzofuran								<10	JU/Q/	<10				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dibromo-3-chloropropane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dibromoethane								<5.0	U//	<5.0				1	WA µg/L
Dibromomethane (Methylene bromide)								<5.0	U//	<5.0				1	WA µg/L
Di-n-butyl phthalate								<10	JU/Q/	<10				1	WA µg/L
1,2-Dichlorobenzene								<10	JU/Q/	<10				1	WA µg/L
1,3-Dichlorobenzene								<10	JU/Q/	<10				1	WA µg/L
1,4-Dichlorobenzene								<10	JU/Q/	<10				1	WA µg/L
3,3'-Dichlorobenzidine								<10	JU/Q/	<10				1	WA µg/L
trans-1,4-Dichloro-2-butene								<20	U//	<20				1	WA µg/L
Dichlorodifluoromethane								<10	U//	<10				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
cis-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<1.5	U//	<5.0				1	WA µg/L
2,4-Dichlorophenol								<10	JU/Q/	<10				1	WA µg/L
2,6-Dichlorophenol								<10	JU/Q/	<10				1	WA µg/L
2,4-Dichlorophenoxyacetic acid								<1.0	U//	<1.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Dieldrin								<0.11	U//	<0.11				1	WA µg/L
Diethyl phthalate								<10	JU/Q/	<10				1	WA µg/L
Dimethoate								<0.50	U//	<0.50				1	WA µg/L
2,4-Dimethyl phenol								<10	JU/Q/	<10				1	WA µg/L
Dimethyl phthalate								<10	JU/Q/	<10				1	WA µg/L
p-Dimethylaminoazobenzene								<10	JU/Q/	<10				1	WA µg/L
7,12-Dimethylbenz(a)anthracene								<10	JU/Q/	<10				1	WA µg/L
3,3'-Dimethylbenzidine								<10	JU/Q/	<10				1	WA µg/L
1,3-Dinitrobenzene								<10	JU/Q/	<10				1	WA µg/L
2,4-Dinitrophenol								<26	JU/Q/	<26				1	WA µg/L
2,4-Dinitrotoluene								<10	JU/Q/	<10				1	WA µg/L
2,6-Dinitrotoluene								<10	JU/Q/	<10				1	WA µg/L
Di-n-octyl phthalate								<10	JU/Q/	<10				1	WA µg/L
1,4-Dioxane								<10	JU/Q/	<10				1	WA µg/L
Diphenylamine								<10	JU/Q/	<10				1	WA µg/L
Disulfoton								<0.50	U//	<0.50				1	WA µg/L
Endosulfan sulfate								<0.11	U//	<0.11				1	WA µg/L
Endosulfan I								<0.053	U//	<0.053				1	WA µg/L
Endosulfan II								<0.11	U//	<0.11				1	WA µg/L
Endrin								<0.11	U//	<0.11				1	WA µg/L
Endrin aldehyde								<0.11	U//	<0.11				1	WA µg/L
Ethyl methacrylate								<10	JU/Q/	<10				1	WA µg/L
Ethyl methanesulfonate								<10	JU/Q/	<10				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Famphur								<1.3	U//	<1.3				1	WA µg/L
Fluoranthene								<10	JU/Q/	<10				1	WA µg/L
Fluorene								<10	JU/Q/	<10				1	WA µg/L
Gross alpha								2.6E+00	//					1	TM pCi/L
Heptachlor								<0.053	U//	<0.053				1	WA µg/L
Heptachlor epoxide								<0.053	U//	<0.053				1	WA µg/L
Hexachlorobenzene								<10	JU/Q/	<10				1	WA µg/L
Hexachlorobutadiene								<10	JU/Q/	<10				1	WA µg/L
Hexachlorocyclopentadiene								<10	JU/Q/	<10				1	WA µg/L
Hexachlorodibenzo-p-dioxins								<2.2E-04	U//	<2.2E-04				1	WA µg/L
Hexachlorodibenzo-p-furans								<1.3E-04	U//	<1.3E-04				1	WA µg/L
Hexachloroethane								<10	JU/Q/	<10				1	WA µg/L
Hexachlorophene								<100	JU/Q/	<100				1	WA µg/L
Hexachloropropene								<10	JU/Q/	<10				1	WA µg/L
2-Hexanone								<10	U//	<10				1	WA µg/L
Indeno(1,2,3-c,d)pyrene								<10	JU/Q/	<10				1	WA µg/L
Iodomethane (Methyl iodide)								<5.0	U//	<5.0				1	WA µg/L
Iron, total recoverable								49	J//	NDD				1	WA µg/L
Isobutyl alcohol								<100	U//	<100				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 34D (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Isodrin								<0.11	U//	<0.11				1	WA µg/L
Isophorone								<10	JU/Q/	<10	●			1	WA µg/L
Isosafrole								<10	JU/Q/	<10	●			1	WA µg/L
Kepone								<0.53	U//	<0.53				1	WA µg/L
Lead, total recoverable								8.6	J//	NDD				1	WA µg/L
Lindane								<0.053	U//	<0.053				1	WA µg/L
Lithium, total recoverable								0.99	J//	NDD				1	WA µg/L
Mercury, total recoverable								<2.0	U//	<2.0				1	WA µg/L
Methacrylonitrile								<10	U//	<10				1	WA µg/L
Methapyrilene								<10	JU/Q/	<10	●			1	WA µg/L
Methoxychlor								<0.53	U//	<0.53				1	WA µg/L
2-Methyl-4,6-dinitrophenol								<26	JU/Q/	<26	●			1	WA µg/L
Methyl ethyl ketone								<10	U//	<10				1	WA µg/L
Methyl isobutyl ketone								<10	U//	<10				1	WA µg/L
Methyl methacrylate								<10	JU/Q/	<10	●			1	WA µg/L
Methyl methanesulfonate								<10	JU/Q/	<10	●			1	WA µg/L
3-Methylcholanthrene								<10	JU/Q/	<10	●			1	WA µg/L
2-Methylnaphthalene								<10	JU/Q/	<10	●			1	WA µg/L
Naphthalene								<10	JU/Q/	<10	●			1	WA µg/L
1,4-Naphthoquinone								<10	JU/Q/	<10	●			1	WA µg/L
1-Naphthylamine								<10	JU/Q/	<10	●			1	WA µg/L
2-Naphthylamine								<10	JU/Q/	<10	●			1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
m-Nitroaniline								<26	JU/Q/	<26	●			1	WA µg/L
o-Nitroaniline								<26	JU/Q/	<26	●			1	WA µg/L
p-Nitroaniline								<26	JU/Q/	<26	●			1	WA µg/L
Nitrobenzene								<10	JU/Q/	<10	●			1	WA µg/L
2-Nitrophenol								<10	JU/Q/	<10	●			1	WA µg/L
4-Nitrophenol								<26	JU/Q/	<26	●			1	WA µg/L
4-Nitroquinoline-1-oxide								<21	JU/Q/	<21	●			1	WA µg/L
N-Nitrosodi-n-butylamine								<10	JU/Q/	<10	●			1	WA µg/L
N-Nitrosodietylamine								<10	JU/Q/	<10	●			1	WA µg/L
N-Nitrosodimethylamine								<10	JU/Q/	<10	●			1	WA µg/L
N-Nitrosodiphenylamine								<10	JU/Q/	<10	●			1	WA µg/L
N-Nitrosodipropylamine								<10	JU/Q/	<10	●			1	WA µg/L
N-Nitrosomethylethylamine								<10	JU/Q/	<10	●			1	WA µg/L
N-Nitrosomorpholine								<10	JU/Q/	<10	●			1	WA µg/L
N-Nitrosopiperidine								<52	JU/Q/	<52	●			1	WA µg/L
N-Nitrosopyrrolidine								<10	JU/Q/	<10	●			1	WA µg/L
5-Nitro-o-toluidine								<10	JU/Q/	<10	●			1	WA µg/L
Nonvolatile beta								2.4E+00	J//	NDD				1	TM pCi/L
Parathion ethyl								<0.50	U//	<0.50				1	WA µg/L
Parathion methyl								<0.50	U//	<0.50				1	WA µg/L
PCB 1016								<1.0	U//	<1.0				1	WA µg/L
PCB 1221								<2.1	U//	<2.1				1	WA µg/L
PCB 1232								<1.0	U//	<1.0				1	WA µg/L
PCB 1242								<1.0	U//	<1.0				1	WA µg/L
PCB 1248								<1.0	U//	<1.0				1	WA µg/L
PCB 1254								<1.0	U//	<1.0				1	WA µg/L
PCB 1260								<1.0	U//	<1.0				1	WA µg/L
Pentachlorobenzene								<10	JU/Q/	<10	●			1	WA µg/L
Pentachlorodibenzo-p-furans								<1.6E-04	U//	<1.6E-04				1	WA µg/L
Pentachloroethane								<10	JU/Q/	<10	●			1	WA µg/L
Pentachloronitrobenzene								<52	JU/Q/	<52	●			1	WA µg/L
Pentachlorophenol								<26	JU/Q/	<26	●			1	WA µg/L
Phenacetin								<10	JU/Q/	<10	●			1	WA µg/L
Phenanthrene								<10	JU/Q/	<10	●			1	WA µg/L
Phenol								<37	U//	<37				1	WA µg/L
Phenols								<10	JU/Q/	<10	●			1	WA µg/L
p-Phenylenediamine								<1.0	U//	<1.0				1	WA µg/L
Phorate								<10	JU/Q/	<10	●			1	WA µg/L
2-Picoline								<10	JU/Q/	<10	●			1	WA µg/L
Pronamid								<10	JU/Q/	<10	●			1	WA µg/L
Propionitrile								<50	U//	<50				1	WA µg/L
Pyrene								<10	JU/Q/	<10	●			1	WA µg/L
Pyridine								<10	JU/Q/	<10	●			1	WA µg/L
Safrole								<10	JU/Q/	<10	●			1	WA µg/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								6.0E-02	U//	<1.1E+00				1	TM pCi/L
Styrene								<5.0	U//	<5.0				1	WA µg/L
Sulfate								220	J//	NDD				1	WA µg/L
Sulfide								<10,000	JU/Q/	<100	●			1	WA µg/L
Sulfotep								<1.0	U//	<1.0				1	WA µg/L
2,4,5-T								<0.50	U//	<0.50				1	WA µg/L
2,3,7,8-TCDD								<1.4E-04	U//	<1.4E-04				1	WA µg/L
1,2,4,5-Tetrachlorobenzene								<10	JU/Q/	<10	●			1	WA µg/L
Tetrachlorodibenzo-p-dioxins								<1.4E-04	U//	<1.4E-04				1	WA µg/L
Tetrachlorodibenzo-p-furans								<9.0E-05	U//	<9.0E-05				1	WA µg/L
1,1,1,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 34D (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Tetrachloroethylene								<5.0	U//	<5.0			1	WA	µg/L
2,3,4,6-Tetrachlorophenol								<10	JU/Q/	<10		●	1	WA	µg/L
Thallium, total recoverable								<55	U//	<55			1	WA	µg/L
Thionazin								<0.50	U//	<0.50			1	WA	µg/L
Tin, total recoverable								<70	U//	<70			1	WA	µg/L
Toluene								<5.0	U//	<5.0			1	WA	µg/L
o-Toluidine								<10	JU/Q/	<10		●	1	WA	µg/L
Total dissolved solids								<50,000	JU/Q/	<500		●	1	WA	µg/L
Total organic carbon								720	J//	NDD			1	WA	µg/L
Total organic halogens								<120	U//	<120			1	WA	µg/L
Toxaphene								<5.3	U//	<5.3			1	WA	µg/L
2,4,5-TP (Silvex)								<0.50	U//	<0.50			1	WA	µg/L
1,2,4-Trichlorobenzene								<10	JU/Q/	<10		●	1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0			1	WA	µg/L
2,4,5-Trichlorophenol								<26	JU/Q/	<26		●	1	WA	µg/L
2,4,6-Trichlorophenol								<10	JU/Q/	<10		●	1	WA	µg/L
1,2,3-Trichloropropane								<5.0	U//	<5.0			1	WA	µg/L
O,O,O-Triethyl phosphorothioate								<0.50	U//	<0.50			1	WA	µg/L
1,3,5-Trinitrobenzene								<10	JU/Q/	<10		●	1	WA	µg/L
Tritium								1.2E+01	//				1	TM	pCi/mL
Vanadium, total recoverable								<6.9	U//	<6.9			1	WA	µg/L
Vinyl acetate								<10	U//	<10			1	WA	µg/L
Xylenes								<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable								16	J//	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 35C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73953.9 E56545.7	33.281598 °N 81.661558 °W	171.9-161.9 ft msl	273.4 ft msl	4" PVC	S	McBean (11B ₁)

SAMPLE DATE 12/21/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		228.3	ft msl
pH		6.0	pH
Sp. conductance		52	µS/cm
Water temperature		20.1	°C
Alkalinity as CaCO ₃		6	mg/L
Turbidity		0	NTU
Volumes purged		2.8	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Acenaphthene								<10	JU/Q/	<10				1	WA µg/L
Acenaphthylene								<10	JU/Q/	<10				1	WA µg/L
Acetone								<3.5	U//	<10				1	WA µg/L
Acetonitrile (Methyl cyanide)								<20	U//	<20				1	WA µg/L
Acetophenone								<10	JU/Q/	<10				1	WA µg/L
2-Acetylaminofluorene								<10	JU/Q/	<10				1	WA µg/L
Acrolein								<20	U//	<20				1	WA µg/L
Acrylonitrile								<5.0	U//	<5.0				1	WA µg/L
Actinium-228								<-4.7E+00	U//	<-2.7E+01				1	TM pCi/L
Aldrin								<0.051	U//	<0.051				1	WA µg/L
Alkalinity (as CaCO ₃)								6,000	J//	NDD				1	WA µg/L
Allyl chloride								<10	U//	<10				1	WA µg/L
Aluminum, total recoverable								<150	U//	<150				1	WA µg/L
Americium-241/Curium-246								<1.8E-01	U//	<3.5E-01				1	TM pCi/L
4-Aminobiphenyl								<10	JU/Q/	<10				1	WA µg/L
Aniline								<10	JU/Q/	<10				1	WA µg/L
Anthracene								<10	JU/Q/	<10				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Antimony-124								<3.9E-01	U//	<6.5E+00				1	TM pCi/L
Antimony-125								<-5.3E-01	U//	<-1.8E+01				1	TM pCi/L
Aramite								<20	JU/Q/	<20				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								14	//					1	WA µg/L
Barium-133								<-7.5E-01	U//	<-7.7E+00				1	TM pCi/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
alpha-Benzene hexachloride								<0.051	U//	<0.051				1	WA µg/L
beta-Benzene hexachloride								<0.051	U//	<0.051				1	WA µg/L
delta-Benzene hexachloride								<0.051	U//	<0.051				1	WA µg/L
Benzo(a)anthracene								<10	JU/Q/	<10				1	WA µg/L
Benzo(b)fluoranthene								<10	JU/Q/	<10				1	WA µg/L
Benzo(k)fluoranthene								<10	JU/Q/	<10				1	WA µg/L
Benzoic acid								<26	JU/Q/	<26				1	WA µg/L
Benzo(g,h,i)perylene								<10	JU/Q/	<10				1	WA µg/L
Benzo(a)pyrene								<10	JU/Q/	<10				1	WA µg/L
Benzyl alcohol								<10	JU/Q/	<10				1	WA µg/L
Beryllium, total recoverable								<1.6	U//	<1.6				1	WA µg/L
Bis(2-chloroethoxy) methane								<10	JU/Q/	<10				1	WA µg/L
Bis(2-chloroethyl) ether								<10	JU/Q/	<10				1	WA µg/L
Bis(2-chloroisopropyl) ether								<10	JU/Q/	<10				1	WA µg/L
Bis(2-ethylhexyl) phthalate								<2.9	JU/QV/	<10				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
4-Bromophenyl phenyl ether								<10	JU/Q/	<10				1	WA µg/L
Butylbenzyl phthalate								<10	JU/Q/	<10				1	WA µg/L
2-sec-Butyl-4,6-dinitrophenol								<51	JU/Q/	<51				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon disulfide								<5.0	U//	<5.0				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								3.6E+02	R//4	NDD				1	TM pCi/L
Cerium-144								<-3.7E+00	U//	<-3.6E+01				1	TM pCi/L
Cesium-134								<-1.1E-01	U//	<-6.5E+00				1	TM pCi/L
Cesium-137								<-6.6E-01	U//	<-7.4E+00				1	TM pCi/L
alpha-Chlordane								<0.051	U//	<0.051				1	WA µg/L
gamma-Chlordane								<0.051	U//	<0.051				1	WA µg/L
4-Chloroaniline								<10	JU/Q/	<10				1	WA µg/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 35C (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Chlorobenzilate								<10	JU/Q/	<10	●	1		WA	µg/L
4-Chloro-m-cresol								<10	JU/Q/	<10	●	1		WA	µg/L
Chloroethane								<10	U//	<10				WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				WA	µg/L
Chloroform								<5.0	U//	<5.0				WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				WA	µg/L
2-Chloronaphthalene								<10	JU/Q/	<10	●	1		WA	µg/L
2-Chlorophenol								<10	JU/Q/	<10	●	1		WA	µg/L
4-Chlorophenyl phenyl ether								<10	JU/Q/	<10	●	1		WA	µg/L
Chloroprene								<5.0	U//	<5.0				WA	µg/L
Chromium, total recoverable								<1.6	U//	<7.0				WA	µg/L
Chrysene								<10	JU/Q/	<10	●	1		WA	µg/L
Cobalt, total recoverable								0.80	J//	NDD				WA	µg/L
Cobalt-57								<-3.0E-02	U//	<4.4E+00				TM	pCi/L
Cobalt-58								<-9.0E-02	U//	<7.3E+00				TM	pCi/L
Cobalt-60								<-1.5E+00	U//	<7.5E+00				TM	pCi/L
Copper, total recoverable								2.4	J//	NDD				WA	µg/L
m-Cresol (3-Methylphenol)								<10	U//	<10				WA	µg/L
o-Cresol (2-Methylphenol)								<10	JU/Q/	<10	●	1		WA	µg/L
p-Cresol (4-Methylphenol)								<10	JU/Q/	<10	●	1		WA	µg/L
Curium-242								<-4.0E-02	U//	<3.6E-01				TM	pCi/L
Curium-243/244								<-1.0E-01	U//	<5.7E-01				TM	pCi/L
Cyanide								1.8	J//	NDD				WA	µg/L
p,p'-DDD								<0.10	U//	<0.10				WA	µg/L
p,p'-DDE								<0.10	U//	<0.10				WA	µg/L
p,p'-DDT								<0.10	U//	<0.10				WA	µg/L
Diallate								<10	JU/Q/	<10	●	1		WA	µg/L
Dibenz(a,h)anthracene								<10	JU/Q/	<10	●	1		WA	µg/L
Dibenzofuran								<10	JU/Q/	<10	●	1		WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				WA	µg/L
1,2-Dibromo-3-chloropropane								<5.0	U//	<5.0				WA	µg/L
1,2-Dibromoethane								<5.0	U//	<5.0				WA	µg/L
Dibromomethane (Methylene bromide)								<5.0	U//	<5.0				WA	µg/L
Di-n-butyl phthalate								1.5	J//Q/	NDD	●	1		WA	µg/L
1,2-Dichlorobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
1,3-Dichlorobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
1,4-Dichlorobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
3,3'-Dichlorobenzidine								<10	JU/Q/	<10	●	1		WA	µg/L
trans-1,4-Dichloro-2-butene								<20	U//	<20				WA	µg/L
Dichlorodifluoromethane								<10	U//	<10				WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				WA	µg/L
cis-1,2-Dichloroethylene								2.1	J//	NDD				WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				WA	µg/L
Dichloromethane								<1.7	U//	<5.0				WA	µg/L
2,4-Dichlorophenol								<10	JU/Q/	<10	●	1		WA	µg/L
2,6-Dichlorophenol								<10	JU/Q/	<10	●	1		WA	µg/L
2,4-Dichlorophenoxyacetic acid								<1.0	U//	<1.0				WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				WA	µg/L
Dieldrin								<0.10	U//	<0.10				WA	µg/L
Diethyl phthalate								0.53	J//Q/	NDD	●	1		WA	µg/L
Dimethoate								<0.51	U//	<0.51				WA	µg/L
2,4-Dimethyl phenol								<10	JU/Q/	<10	●	1		WA	µg/L
Dimethyl phthalate								<10	JU/Q/	<10	●	1		WA	µg/L
p-Dimethylaminoazobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
7,12-Dimethylbenz(a)anthracene								<10	JU/Q/	<10	●	1		WA	µg/L
3,3'-Dimethylbenzidine								<10	JU/Q/	<10	●	1		WA	µg/L
a,a-Dimethylphenethylamine								<10	JU/Q/	<10	●	1		WA	µg/L
1,3-Dinitrobenzene								<10	JU/Q/	<10	●	1		WA	µg/L
2,4-Dinitrophenol								<26	JU/Q/	<26	●	1		WA	µg/L
2,4-Dinitrotoluene								<10	JU/Q/	<10	●	1		WA	µg/L
2,6-Dinitrotoluene								<10	JU/Q/	<10	●	1		WA	µg/L
Di-n-octyl phthalate								<10	JU/Q/	<10	●	1		WA	µg/L
1,4-Dioxane								<10	JU/Q/	<10	●	1		WA	µg/L
Diphenylamine								<10	JU/Q/	<10	●	1		WA	µg/L
Disulfoton								<0.51	U//	<0.51				WA	µg/L
Endosulfan sulfate								<0.10	U//	<0.10				WA	µg/L
Endosulfan I								<0.051	U//	<0.051				WA	µg/L
Endosulfan II								<0.10	U//	<0.10				WA	µg/L
Endrin								<0.10	U//	<0.10				WA	µg/L
Endrin aldehyde								<0.10	U//	<0.10				WA	µg/L
Ethyl methacrylate								<10	JU/Q/	<10	●	1		WA	µg/L
Ethyl methanesulfonate								<10	JU/Q/	<10	●	1		WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				WA	µg/L
Europium-152								<-5.3E+00	U//	<5.1E+01				TM	pCi/L
Europium-154								<-2.3E-01	U//	<2.0E+01				TM	pCi/L
Europium-155								<-4.8E+00	U//	<1.2E+01				TM	pCi/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 35C (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Famphur								<1.3	U//	<1.3				1	WA µg/L
Fluoranthene								<10	JU/Q/	<10	●		1	WA µg/L	
Fluorene								<10	JU/Q/	<10	●		1	WA µg/L	
Gross alpha								<2.7E+00	U//	<1.1E+01				1	TM pCi/L
Heptachlor								<0.051	U//	<0.051				1	WA µg/L
Heptachlor epoxide								<0.051	U//	<0.051				1	WA µg/L
Hexachlorobenzene								<10	JU/Q/	<10	●		1	WA µg/L	
Hexachlorobutadiene								<10	JU/Q/	<10	●		1	WA µg/L	
Hexachlorocyclopentadiene								<10	JU/Q/	<10	●		1	WA µg/L	
Hexachlorodibenzo-p-dioxins								<1.7E-04	U//	<1.7E-04				1	WA µg/L
Hexachlorodibenzo-p-furans								<1.2E-04	U//	<1.2E-04				1	WA µg/L
Hexachloroethane								<10	JU/Q/	<10	●		1	WA µg/L	
Hexachlorophene								<100	JU/Q/	<100	●		1	WA µg/L	
Hexachloropropene								<10	JU/Q/	<10	●		1	WA µg/L	
2-Hexanone								<10	U//	<10				1	WA µg/L
Indeno(1,2,3-c,d)pyrene								<10	JU/Q/	<10	●		1	WA µg/L	
Iodomethane (Methyl iodide)								<5.0	U//	<5.0				1	WA µg/L
Iron, total recoverable								<74	U//	<74				1	WA µg/L
Isobutyl alcohol								<100	U//	<100				1	WA µg/L
Isodrin								<0.10	U//	<0.10				1	WA µg/L
Isophorone								<10	JU/Q/	<10	●		1	WA µg/L	
Isosafrole								<10	JU/Q/	<10	●		1	WA µg/L	
Kepone								<0.51	U//	<0.51				1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lead-212								<8.0E-01	U//	<1.0E+01				1	TM pCi/L
Lindane								<0.051	U//	<0.051				1	WA µg/L
Lithium, total recoverable								1.1	J//	NDD				1	WA µg/L
Manganese-54								<7.4E-01	U//	<6.8E+00				1	TM pCi/L
Mercury, total recoverable								<0.070	U//	<0.070				1	WA µg/L
Methacrylonitrile								<10	U//	<10				1	WA µg/L
Methacrylonitrile								<10	JU/Q/	<10	●		1	WA µg/L	
Methoxychlor								<0.51	U//	<0.51				1	WA µg/L
2-Methyl-4,6-dinitrophenol								<26	JU/Q/	<26	●		1	WA µg/L	
Methyl ethyl ketone								<10	U//	<10				1	WA µg/L
Methyl isobutyl ketone								<10	U//	<10				1	WA µg/L
Methyl methacrylate								<10	JU/Q/	<10	●		1	WA µg/L	
Methyl methanesulfonate								<10	JU/Q/	<10	●		1	WA µg/L	
3-Methylcholanthrene								<10	JU/Q/	<10	●		1	WA µg/L	
2-Methylnaphthalene								<10	JU/Q/	<10	●		1	WA µg/L	
Naphthalene								<10	JU/Q/	<10	●		1	WA µg/L	
1,4-Naphthoquinone								<10	JU/Q/	<10	●		1	WA µg/L	
1-Naphthylamine								<10	JU/Q/	<10	●		1	WA µg/L	
2-Naphthylamine								<10	JU/Q/	<10	●		1	WA µg/L	
Neptunium-237								<6.0E-02	U//	<3.7E-01				1	TM pCi/L
Neptunium-239								<2.9E+00	U//	<1.4E+02				1	TM pCi/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
m-Nitroaniline								<26	JU/Q/	<26	●		1	WA µg/L	
o-Nitroaniline								<26	JU/Q/	<26	●		1	WA µg/L	
p-Nitroaniline								<26	JU/Q/	<26	●		1	WA µg/L	
Nitrobenzene								<10	JU/Q/	<10	●		1	WA µg/L	
2-Nitrophenol								<10	JU/Q/	<10	●		1	WA µg/L	
4-Nitrophenol								<26	JU/Q/	<26	●		1	WA µg/L	
4-Nitroquinoline-1-oxide								<20	JU/Q/	<20	●		1	WA µg/L	
N-Nitrosodi-n-butylamine								<10	JU/Q/	<10	●		1	WA µg/L	
N-Nitrosodiethylamine								<10	JU/Q/	<10	●		1	WA µg/L	
N-Nitrosodimethylamine								<10	JU/Q/	<10	●		1	WA µg/L	
N-Nitrosodiphenylamine								<10	JU/Q/	<10	●		1	WA µg/L	
N-Nitrosodipropylamine								<10	JU/Q/	<10	●		1	WA µg/L	
N-Nitrosomethylethylamine								<10	JU/Q/	<10	●		1	WA µg/L	
N-Nitrosomorpholine								<10	JU/Q/	<10	●		1	WA µg/L	
N-Nitrosopiperidine								<51	JU/Q/	<51	●		1	WA µg/L	
N-Nitrosopyrrolidine								<10	JU/Q/	<10	●		1	WA µg/L	
5-Nitro-o-toluidine								<10	JU/Q/	<10	●		1	WA µg/L	
Nonvolatile beta								<4.5E+01	JU//	<3.6E+01				1	TM pCi/L
Parathion ethyl								<0.51	U//	<0.51				1	WA µg/L
Parathion methyl								<0.51	U//	<0.51				1	WA µg/L
PCB 1016								<1.0	U//	<1.0				1	WA µg/L
PCB 1221								<2.0	U//	<2.0				1	WA µg/L
PCB 1232								<1.0	U//	<1.0				1	WA µg/L
PCB 1242								<1.0	U//	<1.0				1	WA µg/L
PCB 1248								<1.0	U//	<1.0				1	WA µg/L
PCB 1254								<1.0	U//	<1.0				1	WA µg/L
PCB 1260								<1.0	U//	<1.0				1	WA µg/L
Pentachlorobenzene								<10	JU/Q/	<10	●		1	WA µg/L	
Pentachlorodibenzo-p-dioxins								<1.8E-04	U//	<1.8E-04				1	WA µg/L
Pentachloroethane								<10	JU/Q/	<10	●		1	WA µg/L	
Pentachloronitrobenzene								<51	JU/Q/	<51	●		1	WA µg/L	
Pentachlorophenol								<26	JU/Q/	<26	●		1	WA µg/L	
Phenacetin								<10	JU/Q/	<10	●		1	WA µg/L	
Phenanthrene								<10	JU/Q/	<10	●		1	WA µg/L	

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 35C (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Phenol								<10	JU/Q/	<10	●	1	1	WA	µg/L
Phenols								<37	U//	<37		1	1	WA	µg/L
p-Phenylenediamine								<10	JU/Q/	<10	●	1	1	WA	µg/L
Phorate								<1.0	U//	<1.0		1	1	WA	µg/L
2-Picoline								<10	JU/Q/	<10	●	1	1	WA	µg/L
Plutonium-238								<3.4E-01	U//	<4.2E-01		1	1	TM	pCi/L
Plutonium-239/240								<7.0E-02	U//	<2.7E-01		1	1	TM	pCi/L
Potassium-40								<8.2E+00	U//	<6.6E+01		1	1	TM	pCi/L
Promethium-144								<6.7E-01	U//	<6.6E+00		1	1	TM	pCi/L
Promethium-146								<1.0E+00	U//	<1.3E+01		1	1	TM	pCi/L
Pronamid								<10	JU/Q/	<10	●	1	1	WA	µg/L
Propionitrile								<50	U//	<50		1	1	WA	µg/L
Pyrene								<10	JU/Q/	<10	●	1	1	WA	µg/L
Pyridine								<10	JU/Q/	<10	●	1	1	WA	µg/L
Radium, total alpha-emitting								9.5E-01	J//	NDD		1	1	TM	pCi/L
Ruthenium-106								<3.0E+00	U//	<5.9E+01		1	1	TM	pCi/L
Safrole								<10	JU/Q/	<10	●	1	1	WA	µg/L
Selenium, total recoverable								<66	U//	<66		1	1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0		1	1	WA	µg/L
Sodium-22								<-1.0E-01	U//	<7.1E+00		1	1	TM	pCi/L
Strontium-90								2.5E-01	//			1	1	TM	pCi/L
Styrene								<5.0	U//	<5.0		1	1	WA	µg/L
Sulfate								350	//			1	1	WA	µg/L
Sulfide								<10,000	U//	<100		1	1	WA	µg/L
Sulfotep								<1.0	U//	<1.0		1	1	WA	µg/L
2,4,5-T								<0.50	U//	<0.50		1	1	WA	µg/L
2,3,7,8-TCDD								<1.5E-04	U//	<1.5E-04		1	1	WA	µg/L
1,2,4,5-Tetrachlorobenzene								<10	JU/Q/	<10	●	1	1	WA	µg/L
Tetrachlorodibenzo-p-dioxins								<1.5E-04	U//	<1.5E-04		1	1	WA	µg/L
Tetrachlorodibenzo-p-furans								<1.3E-04	U//	<1.3E-04		1	1	WA	µg/L
1,1,1,2-Tetrachloroethane								<5.0	U//	<5.0		1	1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0		1	1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0		1	1	WA	µg/L
2,3,4,6-Tetrachlorophenol								<10	JU/Q/	<10	●	1	1	WA	µg/L
Thallium, total recoverable								<55	U//	<55		1	1	WA	µg/L
Thionazin								<0.51	U//	<0.51		1	1	WA	µg/L
Thorium-228								<4.0E-02	U//	<3.4E-01		1	1	TM	pCi/L
Thorium-230								3.0E-01	J//	NDD		1	1	TM	pCi/L
Thorium-232								<7.0E-02	U//	<2.0E-01		1	1	TM	pCi/L
Tin, total recoverable								<70	U//	<70		1	1	WA	µg/L
Tin-113								<-1.1E+00	U//	<7.6E+00		1	1	TM	pCi/L
Toluene								<5.0	U//	<5.0		1	1	WA	µg/L
o-Toluidine								<10	JU/Q/	<10	●	1	1	WA	µg/L
Total dissolved solids								<50,000	JU/Q/	<50,000	●	1	1	WA	µg/L
Total organic carbon								740	J//	NDD		1	1	WA	µg/L
Total organic halogens								29	J//	NDD		1	1	WA	µg/L
Toxaphene								<5.1	U//	<5.1		1	1	WA	µg/L
2,4,5-TP (Silvex)								<0.50	U//	<0.50		1	1	WA	µg/L
1,2,4-Trichlorobenzene								<10	JU/Q/	<10	●	1	1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0		1	1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0		1	1	WA	µg/L
Trichloroethylene								16	//		■	1	1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0		1	1	WA	µg/L
2,4,5-Trichlorophenol								<26	JU/Q/	<26	●	1	1	WA	µg/L
2,4,6-Trichlorophenol								<10	JU/Q/	<10	●	1	1	WA	µg/L
1,2,3-Trichloropropane								<5.0	U//	<5.0		1	1	WA	µg/L
O,O,O-Triethyl phosphorothioate								<0.51	U//	<0.51		1	1	WA	µg/L
1,3,5-Trinitrobenzene								<10	JU/Q/	<10	●	1	1	WA	µg/L
Tritium								2.4E+02	//		■	1	1	TM	pCi/mL
Uranium-234								<9.0E-02	U//	<2.5E-01		1	1	TM	pCi/L
Uranium-235								<0.0E+00	U//	<1.6E-01		1	1	TM	pCi/L
Uranium-238								<5.0E-02	U//	<1.3E-01		1	1	TM	pCi/L
Vanadium, total recoverable								1.2	J//	NDD		1	1	WA	µg/L
Vinyl acetate								<10	U//	<10		1	1	WA	µg/L
Xylenes								<5.0	U//	<5.0		1	1	WA	µg/L
Yttrium-88								<1.8E+00	U//	<7.0E+00		1	1	TM	pCi/L
Zinc, total recoverable								<53	U//	<53		1	1	WA	µg/L
Zinc-65								<-7.5E-01	U//	<1.6E+01		1	1	TM	pCi/L
Zirconium-95								<8.0E-01	U//	<1.3E+01		1	1	TM	pCi/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 35D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73946.0 E56556.5	33.281599 °N 81.661514 °W	239.4-219.4 ft msl	273.5 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 11/11/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		234.6	ft msl
pH		5.3	pH
Sp. conductance		45	µS/cm
Water temperature		23.1	°C
Alkalinity as CaCO3		0	mg/L
Turbidity		11	NTU
Volumes purged		0.60	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								19,000	J//	NDD				1	WA µg/L
Aluminum, total recoverable								220	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								11	J//	NDD				1	WA µg/L
Barium, total recoverable								17	N//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								0.78	J//	NDD				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<1.9E+01	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								3.3	J//	NDD				1	WA µg/L
Copper, total recoverable								28	//					1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<2.6	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								3.4E+00	//					1	TM pCi/L
Iron, total recoverable								220	N//					1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								0.79	J//	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								5.3	J//	NDD				1	WA µg/L
Nonvolatile beta								2.4E+00	J//	NDD				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								8.1E-01	J//	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<3.3E-01	U//	<1.3E+00				1	TM pCi/L
Sulfate								300	J//	NDD				1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								33,000	J//Q/	NDD				1	WA µg/L
Total organic carbon								1,100	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								6.5E+01	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								<23	U//	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 36D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73743.8 E56888.1	33.281692 °N 81.660248 °W	243.3-223.3 ft msl	275.4 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 11/10/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		237.6	ft msl
pH		4.3	pH
Sp. conductance		24	µS/cm
Water temperature		21.3	°C
Alkalinity as CaCO3		0	mg/L
Turbidity		11	NTU
Volumes purged		0.43	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								<13,000	U//	<130				1	WA µg/L
Aluminum, total recoverable								230	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								14	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<3.5E+01	U//	<1.7E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								4.2	J//	NDD				1	WA µg/L
Copper, total recoverable								39	//					1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<4.7	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								3.0E+00	//					1	TM pCi/L
Iron, total recoverable								250	//					1	WA µg/L
Lead, total recoverable								7.5	J//	NDD				1	WA µg/L
Lithium, total recoverable								0.53	J//	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								3.3	J//	NDD				1	WA µg/L
Nonvolatile beta								<1.3E+00	U//	<1.7E+00				1	TM pCi/L
Phenols								<37	JU/Q/	<37				1	WA µg/L
Radium, total alpha-emitting								1.1E+00	J//	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<4.0E-01	U//	<1.4E+00				1	TM pCi/L
Sulfate								310	J//	NDD				1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								29,000	J//Q/	NDD				1	WA µg/L
Total organic carbon								170	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								2.0E+01	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								38	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 37C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73498.2	33.281787 °N	178.8-168.8 ft msl	286.3 ft msl	4" PVC	S	McBean (IIB ₁)
E57279.2	81.658741 °W					

SAMPLE DATE 11/30/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		230.5	ft msl
pH		4.2	pH
Sp. conductance		46	µS/cm
Water temperature		20.6	°C
Alkalinity as CaCO ₃		0	mg/L
Turbidity		1	NTU
Volumes purged		4.0	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								3,700	//					1	GE	µg/L
Aluminum, total recoverable								72	//					1	GE	µg/L
Antimony, total recoverable								<10	U//	<10				1	GE	µg/L
Arsenic, total recoverable								<5.0	U//	<5.0				1	GE	µg/L
Barium, total recoverable								12	//					1	GE	µg/L
Benzene								0.81	J//	NDD				1	GE	µg/L
Boron, total recoverable								<8.9	JU//V/	<50				1	GE	µg/L
Bromodichloromethane								<1.0	U//	<1.0				1	GE	µg/L
Bromoform								<1.0	U//	<1.0				1	GE	µg/L
Bromomethane (Methyl bromide)								<1.0	U//	<1.0				1	GE	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								12	//					1	GE	µg/L
Carbon-14								9.4E+01	//					1	GE	pCi/L
Chlorobenzene								<1.0	U//	<1.0				1	GE	µg/L
Chloroethane								<1.0	U//	<1.0				1	GE	µg/L
Chloroethene (Vinyl chloride)								11	J/K/O	NDD			10	WA	µg/L	
2-Chloroethyl vinyl ether								<5.0	U//	<5.0				1	GE	µg/L
Chloroform								150	//				50	GE	µg/L	
Chloromethane (Methyl chloride)								<1.0	U//	<1.0				1	GE	µg/L
Chromium, total recoverable								<0.90	U//	<7.0				1	WA	µg/L
Copper, total recoverable								15	//					1	WA	µg/L
Dibromochloromethane								<1.0	U//	<1.0				1	GE	µg/L
1,1-Dichloroethane								75	J/K/O	NDD			10	WA	µg/L	
1,2-Dichloroethane								<1.0	U//	<1.0				1	GE	µg/L
1,1-Dichloroethylene								30	//					1	GE	µg/L
trans-1,2-Dichloroethylene								2.5	//					1	GE	µg/L
Dichloromethane								<5.0	U//	<5.0				1	GE	µg/L
1,2-Dichloropropane								<1.0	U//	<1.0				1	GE	µg/L
cis-1,3-Dichloropropene								<1.0	U//	<1.0				1	GE	µg/L
trans-1,3-Dichloropropene								<1.0	U//	<1.0				1	GE	µg/L
Ethylbenzene								<1.0	U//	<1.0				1	GE	µg/L
Gross alpha								2.8E+00	//					1	GP	pCi/L
Iron, total recoverable								<13	U//	<74				1	WA	µg/L
Lead, total recoverable								<5.0	U//	<5.0				1	GE	µg/L
Lithium, total recoverable								0.60	J//	NDD				1	WA	µg/L
Mercury, total recoverable								1.5	//					1	WA	µg/L
Nickel, total recoverable								<5.0	U//	<5.0				1	GE	µg/L
Nonvolatile beta								2.9E+00	J//	NDD				1	TM	pCi/L
Phenols								<5.0	U//	<5.0				1	GE	µg/L
Radium, total alpha-emitting								1.3E+00	J//	NDD				1	GE	pCi/L
Selenium, total recoverable								<5.0	U//	<5.0				1	GE	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	GE	µg/L
Strontium-90								<6.0E-01	U//	<1.4E+00				1	GE	pCi/L
Sulfate								370	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<1.0	U//	<1.0				1	GE	µg/L
Tetrachloroethylene								34	//					1	GE	µg/L
Tin, total recoverable								<10	U//	<10				1	GE	µg/L
Toluene								<1.0	U//	<1.0				1	GE	µg/L
Total dissolved solids								26,000	J//Q/	NDD				1	WA	µg/L
Total organic carbon								4,400	J//	NDD				1	GE	µg/L
Total organic halogens								2,000	//				10	WA	µg/L	
1,1,1-Trichloroethane								<1.0	U//	<1.0				1	GE	µg/L
1,1,2-Trichloroethane								<1.0	U//	<1.0				1	GE	µg/L
Trichloroethylene								840	//				50	GE	µg/L	
Trichlorofluoromethane								2.1	J//	NDD				1	GE	µg/L
Tritium								2.2E+05	//					1	TM	pCi/mL
Xylenes								<50	U//	<50				10	WA	µg/L
Zinc, total recoverable								5.1	//					1	GE	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 37D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73490.8 E57292.9	33.281793 °N 81.658691 °W	246.1-226.1 ft msl	287.3 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 10/26/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		240.8	ft msl
pH		4.6	pH
Sp. conductance		25	µS/cm
Water temperature		23.4	°C
Alkalinity as CaCO3		1	mg/L
Turbidity		9	NTU
Volumes purged		0.21	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyle	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Acenaphthene								<10	JU/Q/	<10		●	1	WA	µg/L
Acenaphthylene								<10	JU/Q/	<10		●	1	WA	µg/L
Acetone								<1.1	U/V/	<10			1	WA	µg/L
Acetonitrile (Methyl cyanide)								<20	U//	<20			1	WA	µg/L
Acetophenone								<10	JU/Q/	<10		●	1	WA	µg/L
2-Acetylaminofluorene								<10	JU/Q/	<10		●	1	WA	µg/L
Acrolein								<20	U//	<20			1	WA	µg/L
Acrylonitrile								<5.0	U//	<5.0			1	WA	µg/L
Aldrin								<0.053	U//	<0.053			1	WA	µg/L
Alkalinity (as CaCO ₃)								<13,000	U//	<130			1	WA	µg/L
Allyl chloride								<10	U//	<10			1	WA	µg/L
Aluminum, total recoverable								120	J//	NDD			1	WA	µg/L
4-Aminobiphenyl								<10	JU/Q/	<10		●	1	WA	µg/L
Aniline								<10	JU/Q/	<10		●	1	WA	µg/L
Anthracene								<10	JU/Q/	<10		●	1	WA	µg/L
Antimony, total recoverable								<27	U//	<27			1	WA	µg/L
Aramite								<20	JU/Q/	<20		●	1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40			1	WA	µg/L
Barium, total recoverable								14	//				1	WA	µg/L
Benzene								<5.0	U//	<5.0			1	WA	µg/L
alpha-Benzene hexachloride								<0.053	U//	<0.053			1	WA	µg/L
beta-Benzene hexachloride								<0.053	U//	<0.053			1	WA	µg/L
delta-Benzene hexachloride								<0.053	U//	<0.053			1	WA	µg/L
Benzo(a)anthracene								<10	JU/Q/	<10		●	1	WA	µg/L
Benzo(b)fluoranthene								<10	JU/Q/	<10		●	1	WA	µg/L
Benzo(k)fluoranthene								<10	JU/Q/	<10		●	1	WA	µg/L
Benzoic acid								1.8	J//Q/	NDD		●	1	WA	µg/L
Benzo(g,h,i)perylene								<10	JU/Q/	<10		●	1	WA	µg/L
Benzo(a)pyrene								<10	JU/Q/	<10		●	1	WA	µg/L
Benzyl alcohol								<10	JU/Q/	<10		●	1	WA	µg/L
Beryllium, total recoverable								<1.6	U/V/	<1.6			1	WA	µg/L
Bis(2-chloroethoxy) methane								<10	JU/Q/	<10		●	1	WA	µg/L
Bis(2-chloroethyl) ether								<10	JU/Q/	<10		●	1	WA	µg/L
Bis(2-chloroisopropyl) ether								<10	JU/Q/	<10		●	1	WA	µg/L
Bis(2-ethylhexyl) phthalate								2.4	J//Q/	NDD		●	1	WA	µg/L
Boron, total recoverable								<270	U//	<270			1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0			1	WA	µg/L
Bromoform								<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10			1	WA	µg/L
4-Bromophenyl phenyl ether								<10	JU/Q/	<10		●	1	WA	µg/L
Butylbenzyl phthalate								<10	JU/Q/	<10		●	1	WA	µg/L
2-sec-Butyl-4,6-dinitrophenol								<51	JU/Q/	<51		●	1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7			1	WA	µg/L
Carbon disulfide								<5.0	U//	<5.0			1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0			1	WA	µg/L
alpha-Chlordane								<0.053	U//	<0.053			1	WA	µg/L
gamma-Chlordane								<0.053	U//	<0.053			1	WA	µg/L
4-Chloroaniline								<10	JU/Q/	<10		●	1	WA	µg/L
Chlorobenzene								<5.0	U//	<5.0			1	WA	µg/L
Chlorobenzilate								<10	JU/Q/	<10		●	1	WA	µg/L
4-Chloro-m-cresol								<10	JU/Q/	<10		●	1	WA	µg/L
Chloroethane								<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10			1	WA	µg/L
Chloroform								<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10			1	WA	µg/L
2-Chloronaphthalene								<10	JU/Q/	<10		●	1	WA	µg/L
2-Chlorophenol								<10	JU/Q/	<10		●	1	WA	µg/L
4-Chlorophenyl phenyl ether								<10	JU/Q/	<10		●	1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 37D (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Chloroprene								<5.0	U//	<5.0			1	WA	µg/L
Chromium, total recoverable								<7.0	U//	<7.0			1	WA	µg/L
Chrysene								<10	JU/Q/	<10	●		1	WA	µg/L
Cobalt, total recoverable								1.1	J//	NDD			1	WA	µg/L
Copper, total recoverable								13	J//	NDD			1	WA	µg/L
m-Cresol (3-Methylphenol)								<10	U//	<10			1	WA	µg/L
o-Cresol (2-Methylphenol)								<10	JU/Q/	<10	●		1	WA	µg/L
p-Cresol (4-Methylphenol)								<10	JU/Q/	<10	●		1	WA	µg/L
Cyanide								<15	U//	<15			1	WA	µg/L
p,p'-DDD								<0.11	U//	<0.11			1	WA	µg/L
p,p'-DDE								<0.11	U//	<0.11			1	WA	µg/L
p,p'-DDT								<0.11	U//	<0.11			1	WA	µg/L
Diallate								<10	JU/Q/	<10	●		1	WA	µg/L
Dibenz(a,h)anthracene								<10	JU/Q/	<10	●		1	WA	µg/L
Dibenzofuran								<10	JU/Q/	<10	●		1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0			1	WA	µg/L
1,2-Dibromo-3-chloropropane								<5.0	U//	<5.0			1	WA	µg/L
1,2-Dibromoethane								<5.0	U//	<5.0			1	WA	µg/L
Dibromomethane (Methylene bromide)								<5.0	U//	<5.0			1	WA	µg/L
Di-n-butyl phthalate								<10	JU/Q/	<10	●		1	WA	µg/L
1,2-Dichlorobenzene								<10	JU/Q/	<10	●		1	WA	µg/L
1,3-Dichlorobenzene								<10	JU/Q/	<10	●		1	WA	µg/L
1,4-Dichlorobenzene								<10	JU/Q/	<10	●		1	WA	µg/L
3,3'-Dichlorobenzidine								<10	JU/Q/	<10	●		1	WA	µg/L
trans-1,4-Dichloro-2-butene								<20	U//	<20			1	WA	µg/L
Dichlorodifluoromethane								<10	U//	<10			1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
cis-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane								<1.4	U/V/	<5.0			1	WA	µg/L
2,4-Dichlorophenol								<10	JU/Q/	<10	●		1	WA	µg/L
2,6-Dichlorophenol								<10	JU/Q/	<10	●		1	WA	µg/L
2,4-Dichlorophenoxyacetic acid								<1.0	U//	<1.0			1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0			1	WA	µg/L
Dieldrin								<0.11	U//	<0.11			1	WA	µg/L
Diethyl phthalate								<10	JU/Q/	<10	●		1	WA	µg/L
Dimethoate								<0.51	U//	<0.51			1	WA	µg/L
2,4-Dimethyl phenol								<10	JU/Q/	<10	●		1	WA	µg/L
Dimethyl phthalate								<10	JU/Q/	<10	●		1	WA	µg/L
p-Dimethylaminoazobenzene								<10	JU/Q/	<10	●		1	WA	µg/L
7,12-Dimethylbenz(a)anthracene								<10	JU/Q/	<10	●		1	WA	µg/L
3,3'-Dimethylbenzidine								<10	JU/Q/	<10	●		1	WA	µg/L
1,3-Dinitrobenzene								<10	JU/Q/	<10	●		1	WA	µg/L
2,4-Dinitrophenol								<26	JU/Q/	<26	●		1	WA	µg/L
2,4-Dinitrotoluene								<10	JU/Q/	<10	●		1	WA	µg/L
2,6-Dinitrotoluene								<10	JU/Q/	<10	●		1	WA	µg/L
Di-n-octyl phthalate								<10	JU/Q/	<10	●		1	WA	µg/L
1,4-Dioxane								<10	JU/Q/	<10	●		1	WA	µg/L
Diphenylamine								<10	JU/Q/	<10	●		1	WA	µg/L
Disulfoton								<0.51	U//	<0.51			1	WA	µg/L
Endosulfan sulfate								<0.11	U//	<0.11			1	WA	µg/L
Endosulfan I								<0.053	U//	<0.053			1	WA	µg/L
Endosulfan II								<0.11	U//	<0.11			1	WA	µg/L
Endrin								<0.11	U//	<0.11			1	WA	µg/L
Endrin aldehyde								<0.11	U//	<0.11			1	WA	µg/L
Ethyl methacrylate								<10	JU/Q/	<10	●		1	WA	µg/L
Ethyl methanesulfonate								<10	JU/Q/	<10	●		1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0			1	WA	µg/L
Famphur								<1.3	U//	<1.3			1	WA	µg/L
Fluoranthene								<10	JU/Q/	<10	●		1	WA	µg/L
Fluorene								<10	JU/Q/	<10	●		1	WA	µg/L
Gross alpha								6.5E-01	U//	<7.8E-01			1	TM	pCi/L
Heptachlor								<0.053	U//	<0.053			1	WA	µg/L
Heptachlor epoxide								<0.053	U//	<0.053			1	WA	µg/L
Hexachlorobenzene								<10	JU/Q/	<10	●		1	WA	µg/L
Hexachlorobutadiene								<10	JU/Q/	<10	●		1	WA	µg/L
Hexachlorocyclopentadiene								<10	JU/Q/	<10	●		1	WA	µg/L
Hexachlorodibenzo-p-dioxins								<4.6E-04	U//	<4.6E-04			1	WA	µg/L
Hexachlorodibenzo-p-furans								<2.9E-04	U//	<2.9E-04			1	WA	µg/L
Hexachloroethane								<10	JU/Q/	<10	●		1	WA	µg/L
Hexachlorophene								<100	JU/Q/	<100	●		1	WA	µg/L
Hexachloropropene								<10	JU/Q/	<10	●		1	WA	µg/L
2-Hexanone								<10	U//	<10			1	WA	µg/L
Indeno(1,2,3-c,d)pyrene								<10	JU/Q/	<10	●		1	WA	µg/L
Iodomethane (Methyl iodide)								<5.0	U//	<5.0			1	WA	µg/L
Iron, total recoverable								220	//				1	WA	µg/L
Isobutyl alcohol								<100	U//	<100			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 37D (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Isodrin								<0.11	U//	<0.11			1	WA	µg/L
Isophorone								<10	JU/Q/	<10	●		1	WA	µg/L
Isosafrole								<10	JU/Q/	<10	●		1	WA	µg/L
Kepone								<0.53	U//	<0.53			1	WA	µg/L
Lead, total recoverable								9.0	J//	NDD			1	WA	µg/L
Lindane								<0.053	U//	<0.053			1	WA	µg/L
Lithium, total recoverable								0.35	J//	NDD			1	WA	µg/L
Mercury, total recoverable								<2.0	U//	<2.0			1	WA	µg/L
Methacrylonitrile								<10	U//	<10			1	WA	µg/L
Methapyrilene								<10	JU/Q/	<10	●		1	WA	µg/L
Methoxychlor								<0.53	U//	<0.53			1	WA	µg/L
2-Methyl-4,6-dinitrophenol								<26	JU/Q/	<26	●		1	WA	µg/L
Methyl ethyl ketone								<10	U//	<10			1	WA	µg/L
Methyl isobutyl ketone								<10	U//	<10			1	WA	µg/L
Methyl methacrylate								<10	JU/Q/	<10	●		1	WA	µg/L
Methyl methanesulfonate								<10	JU/Q/	<10	●		1	WA	µg/L
3-Methylcholanthrene								<10	JU/Q/	<10	●		1	WA	µg/L
2-Methylnaphthalene								<10	JU/Q/	<10	●		1	WA	µg/L
Naphthalene								<10	JU/Q/	<10	●		1	WA	µg/L
1,4-Naphthoquinone								<10	JU/Q/	<10	●		1	WA	µg/L
1-Naphthylamine								<10	JU/Q/	<10	●		1	WA	µg/L
2-Naphthylamine								<10	JU/Q/	<10	●		1	WA	µg/L
Nickel, total recoverable								<26	U//	<26			1	WA	µg/L
m-Nitroaniline								<26	JU/Q/	<26	●		1	WA	µg/L
o-Nitroaniline								<26	JU/Q/	<26	●		1	WA	µg/L
p-Nitroaniline								<26	JU/Q/	<26	●		1	WA	µg/L
Nitrobenzene								<10	JU/Q/	<10	●		1	WA	µg/L
2-Nitrophenol								<10	JU/Q/	<10	●		1	WA	µg/L
4-Nitrophenol								<26	JU/Q/	<26	●		1	WA	µg/L
4-Nitroquinoline-1-oxide								<20	JU/Q/	<20	●		1	WA	µg/L
N-Nitrosodi-n-butylamine								<10	JU/Q/	<10	●		1	WA	µg/L
N-Nitrosodiethylamine								<10	JU/Q/	<10	●		1	WA	µg/L
N-Nitrosodimethylamine								<10	JU/Q/	<10	●		1	WA	µg/L
N-Nitrosodiphenylamine								<10	JU/Q/	<10	●		1	WA	µg/L
N-Nitrosodipropylamine								<10	JU/Q/	<10	●		1	WA	µg/L
N-Nitrosomethylethylamine								<10	JU/Q/	<10	●		1	WA	µg/L
N-Nitrosomorpholine								<10	JU/Q/	<10	●		1	WA	µg/L
N-Nitrosopiperidine								<51	JU/Q/	<51	●		1	WA	µg/L
N-Nitrosopyrrolidine								<10	JU/Q/	<10	●		1	WA	µg/L
5-Nitro-o-toluidine								<10	JU/Q/	<10	●		1	WA	µg/L
Nonvolatile beta								9.0E-01	U//	<1.4E+00			1	TM	pCi/L
Parathion ethyl								<0.51	U//	<0.51			1	WA	µg/L
Parathion methyl								<0.51	U//	<0.51			1	WA	µg/L
PCB 1016								<1.0	U//	<1.0			1	WA	µg/L
PCB 1221								<2.1	U//	<2.1			1	WA	µg/L
PCB 1232								<1.0	U//	<1.0			1	WA	µg/L
PCB 1242								<1.0	U//	<1.0			1	WA	µg/L
PCB 1248								<1.0	U//	<1.0			1	WA	µg/L
PCB 1254								<1.0	U//	<1.0			1	WA	µg/L
PCB 1260								<1.0	U//	<1.0			1	WA	µg/L
Pentachlorobenzene								<10	JU/Q/	<10	●		1	WA	µg/L
Pentachlorodibenzo-p-furans								<3.4E-04	U//	<3.4E-04			1	WA	µg/L
Pentachloroethane								<10	JU/Q/	<10	●		1	WA	µg/L
Pentachloronitrobenzene								<51	JU/Q/	<51	●		1	WA	µg/L
Pentachlorophenol								<26	JU/Q/	<26	●		1	WA	µg/L
Phenacetin								<10	JU/Q/	<10	●		1	WA	µg/L
Phenanthrene								<10	JU/Q/	<10	●		1	WA	µg/L
Phenol								<10	JU/Q/	<10	●		1	WA	µg/L
Phenols								<37	U//	<37			1	WA	µg/L
p-Phenylenediamine								<10	JU/Q/	<10	●		1	WA	µg/L
Phorate								<1.0	U//	<1.0			1	WA	µg/L
2-Picoline								<10	JU/Q/	<10	●		1	WA	µg/L
Pronamid								<10	JU/Q/	<10	●		1	WA	µg/L
Propionitrile								<50	U//	<50			1	WA	µg/L
Pyrene								<10	JU/Q/	<10	●		1	WA	µg/L
Pyridine								<10	JU/Q/	<10	●		1	WA	µg/L
Safrole								<10	JU/Q/	<10	●		1	WA	µg/L
Selenium, total recoverable								<66	U//	<66			1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0			1	WA	µg/L
Strontium-90								-2.7E-01	U//	<1.1E+00			1	TM	pCi/L
Styrene								<5.0	U//	<5.0			1	WA	µg/L
Sulfate								240	J//	NDD			1	WA	µg/L
Sulfide								<10,000	JU/Q/	<100	●		1	WA	µg/L
Sulfotep								<1.0	U//	<1.0			1	WA	µg/L
2,4,5-T								<0.50	U//	<0.50			1	WA	µg/L
2,3,7,8-TCDD								<3.1E-04	U//	<3.1E-04			1	WA	µg/L
1,2,4,5-Tetrachlorobenzene								<10	JU/Q/	<10	●		1	WA	µg/L
Tetrachlorodibenzo-p-dioxins								<3.1E-04	U//	<3.1E-04			1	WA	µg/L
Tetrachlorodibenzo-p-furans								<2.2E-04	U//	<2.2E-04			1	WA	µg/L
1,1,1,2-Tetrachloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 37D (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
2,3,4,6-Tetrachlorophenol								<10	JU/Q/	<10		●		1	WA	µg/L
Thallium, total recoverable								<55	U//	<55				1	WA	µg/L
Thionazin								<0.51	U//	<0.51				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
o-Toluidine								<10	JU/Q/	<10		●		1	WA	µg/L
Total dissolved solids								<50,000	JU/Q/	<500		●		1	WA	µg/L
Total organic carbon								2,200	//					1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
Toxaphene								<5.3	U//	<5.3				1	WA	µg/L
2,4,5-TP (Silvex)								<0.50	U//	<0.50				1	WA	µg/L
1,2,4-Trichlorobenzene								<10	JU/Q/	<10		●		1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
2,4,5-Trichlorophenol								<26	JU/Q/	<26		●		1	WA	µg/L
2,4,6-Trichlorophenol								<10	JU/Q/	<10		●		1	WA	µg/L
1,2,3-Trichloropropane								<5.0	U//	<5.0				1	WA	µg/L
O,O,O-Triethyl phosphorothioate								<0.51	U//	<0.51				1	WA	µg/L
1,3,5-Trinitrobenzene								<10	JU/Q/	<10		●		1	WA	µg/L
Tritium								2.6E+01	//			■		1	TM	pCi/L
Vanadium, total recoverable								0.84	J//	NDD				1	WA	µg/L
Vinyl acetate								<10	U//	<10				1	WA	µg/L
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								5.9	J//	NDD				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 38D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73329.3 E57557.5	33.281868 °N 81.657681 °W	242.3-222.3 ft msl	291.6 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 11/24/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		238.7	ft msl
pH		4.4	pH
Sp. conductance		40	µS/cm
Water temperature		22.4	°C
Alkalinity as CaCO3		0	mg/L
Turbidity		15	NTU
Volumes purged		0.75	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								<27,000	U//	<270				1	WA	µg/L
Aluminum, total recoverable								320	//					1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								4.9	J//	NDD				1	WA	µg/L
Barium, total recoverable								19	N//					1	WA	µg/L
Benzene								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
Bromoform								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
Bromomethane (Methyl bromide)								<10	JU/Q/	<10	●			1	WA	µg/L
Cadmium, total recoverable								0.49	J//	NDD				1	WA	µg/L
Carbon tetrachloride								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
Carbon-14								<6.5E+01	U//	<1.8E+02				1	TM	pCi/L
Chlorobenzene								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
Chloroethane								<10	JU/Q/	<10	●			1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	JU/Q/	<10	●			1	WA	µg/L
2-Chloroethyl vinyl ether								<10	JU/Q/	<10	●			1	WA	µg/L
Chloroform								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
Chloromethane (Methyl chloride)								<10	JU/Q/	<10	●			1	WA	µg/L
Chromium, total recoverable								<7.0	U//	<7.0				1	WA	µg/L
Copper, total recoverable								9.4	J//	NDD				1	WA	µg/L
Dibromochloromethane								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
1,1-Dichloroethane								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
1,2-Dichloroethane								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
1,1-Dichloroethylene								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
Dichloromethane								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
1,2-Dichloropropane								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
Ethylbenzene								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
Gross alpha								3.6E+00	//					1	TM	pCi/L
Iron, total recoverable								160	N//					1	WA	µg/L
Lead, total recoverable								<47	U//	<47				1	WA	µg/L
Lithium, total recoverable								0.77	J//	NDD				1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								3.5	J//	NDD				1	WA	µg/L
Nonvolatile beta								3.7E+00	J//	NDD				1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								1.9E+00	J//	NDD				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Strontium-90								<1.9E-01	U//	<1.2E+00				1	TM	pCi/L
Sulfate								290	J//	NDD				1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
Tetrachloroethylene								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
Total dissolved solids								20,000	J//Q/	NDD	●			1	WA	µg/L
Total organic carbon								1,400	//					1	WA	µg/L
Total organic halogens								12	J//	NDD				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
1,1,2-Trichloroethane								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
Trichloroethylene								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
Trichlorofluoromethane								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
Tritium								2.4E+01	//		■			1	TM	pCi/mL
Xylenes								<5.0	JU/Q/	<5.0	●			1	WA	µg/L
Zinc, total recoverable								<11	U//	<53				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 39A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73583.5 E57831.0	33.282876 °N 81.657454 °W	244.7-224.7 ft msl	295.7 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 12/07/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		167.2	ft msl
pH		7.4	pH
Sp. conductance		20	µS/cm
Water temperature		20.6	°C
Alkalinity as CaCO3		58	mg/L
Turbidity		0.7	NTU
Volumes purged		0.61	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Acenaphthylene								<10	JU/Q/	<10	●	1		WA	µg/L
Acetone								<2.6	U//	<10			1	WA	µg/L
Acetonitrile (Methyl cyanide)								<20	U//	<20			1	WA	µg/L
Acetophenone								<10	JU/Q/	<10	●	1		WA	µg/L
2-Acetylaminofluorene								<10	JU/Q/	<10	●	1		WA	µg/L
Acrolein								<20	U//	<20			1	WA	µg/L
Acrylonitrile								<5.0	U//	<5.0			1	WA	µg/L
Aldrin								<0.056	U//	<0.056			1	WA	µg/L
Alkalinity (as CaCO3)								89,000	//				1	WA	µg/L
Allyl chloride								<10	U//	<10			1	WA	µg/L
Aluminum, total recoverable								<150	U//	<150			1	WA	µg/L
4-Aminobiphenyl								<10	JU/Q/	<10	●	1		WA	µg/L
Aniline								<10	JU/Q/	<10	●	1		WA	µg/L
Anthracene								<10	JU/Q/	<10	●	1		WA	µg/L
Antimony, total recoverable								<27	U//	<27			1	WA	µg/L
Aramite								<20	JU/Q/	<20	●	1		WA	µg/L
Arsenic, total recoverable								<40	U//	<40			1	WA	µg/L
Barium, total recoverable								63	//				1	WA	µg/L
Benzene								<5.0	U//	<5.0			1	WA	µg/L
alpha-Benzene hexachloride								<0.056	U//	<0.056			1	WA	µg/L
beta-Benzene hexachloride								<0.056	U//	<0.056			1	WA	µg/L
delta-Benzene hexachloride								<0.056	U//	<0.056			1	WA	µg/L
Benzo(a)anthracene								<10	JU/Q/	<10	●	1		WA	µg/L
Benzo(b)fluoranthene								<10	JU/Q/	<10	●	1		WA	µg/L
Benzo(k)fluoranthene								<10	JU/Q/	<10	●	1		WA	µg/L
Benzoic acid								<26	JU/Q/	<26	●	1		WA	µg/L
Benzo(g,h,i)perylene								<10	JU/Q/	<10	●	1		WA	µg/L
Benzo(a)pyrene								<10	JU/Q/	<10	●	1		WA	µg/L
Benzyl alcohol								<10	JU/Q/	<10	●	1		WA	µg/L
Beryllium, total recoverable								<1.6	U//	<1.6			1	WA	µg/L
Bis(2-chloroethoxy) methane								<10	JU/Q/	<10	●	1		WA	µg/L
Bis(2-chloroethyl) ether								<10	JU/Q/	<10	●	1		WA	µg/L
Bis(2-chloroisopropyl) ether								<10	JU/Q/	<10	●	1		WA	µg/L
Bis(2-ethylhexyl) phthalate								<10	JU/Q/	<10	●	1		WA	µg/L
Boron, total recoverable								<270	U//	<270			1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0			1	WA	µg/L
Bromofom								<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10			1	WA	µg/L
4-Bromophenyl phenyl ether								<10	JU/Q/	<10	●	1		WA	µg/L
Butylbenzyl phthalate								<10	JU/Q/	<10	●	1		WA	µg/L
2-sec-Butyl-4,6-dinitrophenol								<51	JU/Q/	<51	●	1		WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7			1	WA	µg/L
Carbon disulfide								<5.0	U//	<5.0			1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0			1	WA	µg/L
alpha-Chlordane								<0.056	U//	<0.056			1	WA	µg/L
gamma-Chlordane								<0.056	U//	<0.056			1	WA	µg/L
4-Chloroaniline								<10	JU/Q/	<10	●	1		WA	µg/L
Chlorobenzene								<5.0	U//	<5.0			1	WA	µg/L
Chlorobenzilate								<10	JU/Q/	<10	●	1		WA	µg/L
4-Chloro-m-cresol								<10	JU/Q/	<10	●	1		WA	µg/L
Chloroethane								<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10			1	WA	µg/L
Chloroform								<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10			1	WA	µg/L
2-Chloronaphthalene								<10	JU/Q/	<10	●	1		WA	µg/L
2-Chlorophenol								<10	JU/Q/	<10	●	1		WA	µg/L
4-Chlorophenyl phenyl ether								<10	JU/Q/	<10	●	1		WA	µg/L
Chloroprene								<5.0	U//	<5.0			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 39A (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Chromium, total recoverable								<7.0	U//	<7.0				1	WA µg/L
Chrysene								<10	JU/Q/	<10	●			1	WA µg/L
Cobalt, total recoverable								<4.5	U//	<4.5				1	WA µg/L
Copper, total recoverable								<15	U//	<15				1	WA µg/L
m-Cresol (3-Methylphenol)								<10	U//	<10				1	WA µg/L
o-Cresol (2-Methylphenol)								<10	JU/Q/	<10	●			1	WA µg/L
p-Cresol (4-Methylphenol)								<10	JU/Q/	<10	●			1	WA µg/L
Cyanide								<15	U//	<15				1	WA µg/L
p,p'-DDD								<0.11	U//	<0.11				1	WA µg/L
p,p'-DDE								<0.11	U//	<0.11				1	WA µg/L
p,p'-DDT								<0.11	U//	<0.11				1	WA µg/L
Diallate								<10	JU/Q/	<10	●			1	WA µg/L
Dibenz(a,h)anthracene								<10	JU/Q/	<10	●			1	WA µg/L
Dibenzofuran								<10	JU/Q/	<10	●			1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dibromo-3-chloropropane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dibromoethane								<5.0	U//	<5.0				1	WA µg/L
Dibromomethane (Methylene bromide)								<5.0	U//	<5.0				1	WA µg/L
Di-n-butyl phthalate								<10	JU/Q/	<10	●			1	WA µg/L
1,2-Dichlorobenzene								<10	JU/Q/	<10	●			1	WA µg/L
1,3-Dichlorobenzene								<10	JU/Q/	<10	●			1	WA µg/L
1,4-Dichlorobenzene								<10	JU/Q/	<10	●			1	WA µg/L
3,3'-Dichlorobenzidine								<10	JU/Q/	<10	●			1	WA µg/L
trans-1,4-Dichloro-2-butene								<20	U//	<20				1	WA µg/L
Dichlorodifluoromethane								<10	U//	<10				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
cis-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<1.7	U//	<5.0				1	WA µg/L
2,4-Dichlorophenol								<10	JU/Q/	<10	●			1	WA µg/L
2,6-Dichlorophenol								<10	JU/Q/	<10	●			1	WA µg/L
2,4-Dichlorophenoxyacetic acid								<1.0	U//	<1.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Dieldrin								<0.11	U//	<0.11				1	WA µg/L
Diethyl phthalate								<10	JU/Q/	<10	●			1	WA µg/L
Dimethoate								<0.51	U//	<0.51				1	WA µg/L
2,4-Dimethyl phenol								<10	JU/Q/	<10	●			1	WA µg/L
Dimethyl phthalate								<10	JU/Q/	<10	●			1	WA µg/L
p-Dimethylaminoazobenzene								<10	JU/Q/	<10	●			1	WA µg/L
7,12-Dimethylbenz(a)anthracene								<10	JU/Q/	<10	●			1	WA µg/L
3,3'-Dimethylbenzidine								<10	JU/Q/	<10	●			1	WA µg/L
1,3-Dinitrobenzene								<10	JU/Q/	<10	●			1	WA µg/L
2,4-Dinitrophenol								<26	JU/Q/	<26	●			1	WA µg/L
2,4-Dinitrotoluene								<10	JU/Q/	<10	●			1	WA µg/L
2,6-Dinitrotoluene								<10	JU/Q/	<10	●			1	WA µg/L
Di-n-octyl phthalate								<10	JU/Q/	<10	●			1	WA µg/L
1,4-Dioxane								<10	JU/Q/	<10	●			1	WA µg/L
Diphenylamine								<10	JU/Q/	<10	●			1	WA µg/L
Disulfoton								<0.51	U//	<0.51				1	WA µg/L
Endosulfan sulfate								<0.11	U//	<0.11				1	WA µg/L
Endosulfan I								<0.056	U//	<0.056				1	WA µg/L
Endosulfan II								<0.11	U//	<0.11				1	WA µg/L
Endrin								<0.11	U//	<0.11				1	WA µg/L
Endrin aldehyde								<0.11	U//	<0.11				1	WA µg/L
Ethyl methacrylate								<10	JU/Q/	<10	●			1	WA µg/L
Ethyl methanesulfonate								<10	JU/Q/	<10	●			1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Famphur								<1.3	U//	<1.3				1	WA µg/L
Fluoranthene								<10	JU/Q/	<10	●			1	WA µg/L
Fluorene								<10	JU/Q/	<10	●			1	WA µg/L
Gross alpha								1.1E+00	U//	<1.9E+00				1	TM pCi/L
Heptachlor								<0.056	U//	<0.056				1	WA µg/L
Heptachlor epoxide								<0.056	U//	<0.056				1	WA µg/L
Hexachlorobenzene								<10	JU/Q/	<10	●			1	WA µg/L
Hexachlorobutadiene								<10	JU/Q/	<10	●			1	WA µg/L
Hexachlorocyclopentadiene								<10	JU/Q/	<10	●			1	WA µg/L
Hexachlorodibenzo-p-dioxins								<2.7E-04	U//	<2.7E-04				1	WA µg/L
Hexachlorodibenzo-p-furans								<1.8E-04	U//	<1.8E-04				1	WA µg/L
Hexachloroethane								<10	JU/Q/	<10	●			1	WA µg/L
Hexachlorophene								<100	JU/Q/	<100	●			1	WA µg/L
Hexachloropropene								<10	JU/Q/	<10	●			1	WA µg/L
2-Hexanone								<10	U//	<10				1	WA µg/L
Indeno(1,2,3-c,d)pyrene								<10	JU/Q/	<10	●			1	WA µg/L
Iodomethane (Methyl iodide)								<5.0	U//	<5.0				1	WA µg/L
Iron, total recoverable								53	J//	NDD				1	WA µg/L
Isobutyl alcohol								<100	U//	<100				1	WA µg/L
Isodrin								<0.11	U//	<0.11				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 39A (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Isophorone								<10	JU/Q	<10	●		1	WA	µg/L
Isosafrole								<10	JU/Q	<10	●		1	WA	µg/L
Kepone								<0.56	U//	<0.56			1	WA	µg/L
Lead, total recoverable								<47	U//	<47			1	WA	µg/L
Lindane								<0.056	U//	<0.056			1	WA	µg/L
Lithium, total recoverable								63	//				1	WA	µg/L
Mercury, total recoverable								<2.0	U//	<2.0			1	WA	µg/L
Methacrylonitrile								<10	U//	<10			1	WA	µg/L
Methapyrene								<10	JU/Q	<10	●		1	WA	µg/L
Methoxychlor								<0.56	U//	<0.56			1	WA	µg/L
2-Methyl-4,6-dinitrophenol								<26	JU/Q	<26	●		1	WA	µg/L
Methyl ethyl ketone								<10	U//	<10			1	WA	µg/L
Methyl isobutyl ketone								<10	U//	<10			1	WA	µg/L
Methyl methacrylate								<10	JU/Q	<10	●		1	WA	µg/L
Methyl methanesulfonate								<10	JU/Q	<10	●		1	WA	µg/L
3-Methylcholanthrene								<10	JU/Q	<10	●		1	WA	µg/L
2-Methylnaphthalene								<10	JU/Q	<10	●		1	WA	µg/L
Naphthalene								<10	JU/Q	<10	●		1	WA	µg/L
1,4-Naphthoquinone								<10	JU/Q	<10	●		1	WA	µg/L
1-Naphthylamine								<10	JU/Q	<10	●		1	WA	µg/L
2-Naphthylamine								<10	JU/Q	<10	●		1	WA	µg/L
Nickel, total recoverable								<26	U//	<26			1	WA	µg/L
m-Nitroaniline								<26	JU/Q	<26	●		1	WA	µg/L
o-Nitroaniline								<26	JU/Q	<26	●		1	WA	µg/L
p-Nitroaniline								<26	JU/Q	<26	●		1	WA	µg/L
Nitrobenzene								<10	JU/Q	<10	●		1	WA	µg/L
2-Nitrophenol								<10	JU/Q	<10	●		1	WA	µg/L
4-Nitrophenol								<26	JU/Q	<26	●		1	WA	µg/L
4-Nitroquinoline-1-oxide								<20	JU/Q	<20	●		1	WA	µg/L
N-Nitrosodi-n-butylamine								<10	JU/Q	<10	●		1	WA	µg/L
N-Nitrosodiethylamine								<10	JU/Q	<10	●		1	WA	µg/L
N-Nitrosodimethylamine								<10	JU/Q	<10	●		1	WA	µg/L
N-Nitrosodiphenylamine								<10	JU/Q	<10	●		1	WA	µg/L
N-Nitrosodipropylamine								<10	JU/Q	<10	●		1	WA	µg/L
N-Nitrosomethylethylamine								<10	JU/Q	<10	●		1	WA	µg/L
N-Nitrosomorpholine								<10	JU/Q	<10	●		1	WA	µg/L
N-Nitrosopiperidine								<51	JU/Q	<51	●		1	WA	µg/L
N-Nitrosopyrrolidine								<10	JU/Q	<10	●		1	WA	µg/L
5-Nitro-o-toluidine								<10	JU/Q	<10	●		1	WA	µg/L
Nonvolatile beta								9.2E+00	//				1	TM	pCi/L
Parathion ethyl								<0.51	U//	<0.51			1	WA	µg/L
Parathion methyl								<0.51	U//	<0.51			1	WA	µg/L
PCB 1016								<1.0	U//	<1.0			1	WA	µg/L
PCB 1221								<2.1	U//	<2.1			1	WA	µg/L
PCB 1232								<1.0	U//	<1.0			1	WA	µg/L
PCB 1242								<1.0	U//	<1.0			1	WA	µg/L
PCB 1248								<1.0	U//	<1.0			1	WA	µg/L
PCB 1254								<1.0	U//	<1.0			1	WA	µg/L
PCB 1260								<1.0	U//	<1.0			1	WA	µg/L
Pentachlorobenzene								<10	JU/Q	<10	●		1	WA	µg/L
Pentachlorodibenzo-p-furans								<1.9E-04	U//	<1.9E-04			1	WA	µg/L
Pentachloroethane								<10	JU/Q	<10	●		1	WA	µg/L
Pentachloronitrobenzene								<51	JU/Q	<51	●		1	WA	µg/L
Pentachlorophenol								<26	JU/Q	<26	●		1	WA	µg/L
Phenacetin								<10	JU/Q	<10	●		1	WA	µg/L
Phenanthrene								<10	JU/Q	<10	●		1	WA	µg/L
Phenol								<37	U//	<37			1	WA	µg/L
Phenols								<10	JU/Q	<10	●		1	WA	µg/L
p-Phenylenediamine								<1.0	U//	<1.0			1	WA	µg/L
Phorate								<10	JU/Q	<10	●		1	WA	µg/L
2-Picoline								<10	JU/Q	<10	●		1	WA	µg/L
Pronamid								<50	U//	<50			1	WA	µg/L
Propionitrile								<10	JU/Q	<10	●		1	WA	µg/L
Pyrene								<10	JU/Q	<10	●		1	WA	µg/L
Pyridine								<10	JU/Q	<10	●		1	WA	µg/L
Safrole								<10	JU/Q	<10	●		1	WA	µg/L
Selenium, total recoverable								<66	U//	<66			1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0			1	WA	µg/L
Strontium-90								-9.2E-01	JU/	<1.2E+00			1	TM	pCi/L
Styrene								<5.0	U//	<5.0			1	WA	µg/L
Sulfate								9,400	//				1	WA	µg/L
Sulfide								<10,000	JU/Q	<100	●		1	WA	µg/L
Sulfotep								<1.0	U//	<1.0			1	WA	µg/L
2,4,5-T								<0.50	U//	<0.50			1	WA	µg/L
2,3,7,8-TCDD								<1.6E-04	U//	<1.6E-04			1	WA	µg/L
1,2,4,5-Tetrachlorobenzene								<10	JU/Q	<10	●		1	WA	µg/L
Tetrachlorodibenzo-p-dioxins								<1.6E-04	U//	<1.6E-04			1	WA	µg/L
Tetrachlorodibenzo-p-furans								<9.0E-05	U//	<9.0E-05			1	WA	µg/L
1,1,1,2-Tetrachloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 39A (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
2,3,4,6-Tetrachlorophenol								<10	JU/Q/	<10		●	1	WA	µg/L
Thallium, total recoverable								<55	U//	<55			1	WA	µg/L
Thionazin								<0.51	U//	<0.51			1	WA	µg/L
Tin, total recoverable								<70	U//	<70			1	WA	µg/L
Toluene								<5.0	U//	<5.0			1	WA	µg/L
o-Toluidine								<10	JU/Q/	<10		●	1	WA	µg/L
Total dissolved solids								130,000	J/Q/	NDD		●	1	WA	µg/L
Total organic carbon								380	J//	NDD			1	WA	µg/L
Total organic halogens								<120	U//	<120			1	WA	µg/L
Toxaphene								<5.6	U//	<5.6			1	WA	µg/L
2,4,5-TP (Silvex)								<0.50	U//	<0.50			1	WA	µg/L
1,2,4-Trichlorobenzene								<10	JU/Q/	<10		●	1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0			1	WA	µg/L
2,4,5-Trichlorophenol								<26	JU/Q/	<26		●	1	WA	µg/L
2,4,6-Trichlorophenol								<10	JU/Q/	<10		●	1	WA	µg/L
1,2,3-Trichloropropane								<5.0	U//	<5.0			1	WA	µg/L
O,O,O-Triethyl phosphorothioate								<0.51	U//	<0.51			1	WA	µg/L
1,3,5-Trinitrobenzene								<10	JU/Q/	<10		●	1	WA	µg/L
Tritium								-8.5E-01	U//	<1.1E+00			1	TM	pCi/mL
Vanadium, total recoverable								<6.9	U//	<6.9			1	WA	µg/L
Vinyl acetate								<10	U//	<10			1	WA	µg/L
Xylenes								<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable								<53	U//	<53			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 39C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73563.3 E57816.1	33.282807 °N 81.657454 °W	184.9-174.9 ft msl	296.4 ft msl	2" PVC	V	Barnwell (IIB ₁)

SAMPLE DATE 11/10/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		232.1	ft msl
pH		5.8	pH
Sp. conductance		40	µS/cm
Water temperature		21.3	°C
Alkalinity as CaCO ₃		10	mg/L
Turbidity		1	NTU
Volumes purged		6.6	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								3,000	J/N	NDD				1	WA µg/L
Aluminum, total recoverable								35	J/N	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								6.7	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<9.5E+01	U//	<1.7E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								<7.0	U//	<7.0				1	WA µg/L
Copper, total recoverable								2.1	J/N	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<4.4	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								<7.7E-01	U//	<7.8E-01				1	TM pCi/L
Iron, total recoverable								20	J/N	NDD				1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								0.32	J/N	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								<1.7E-01	U//	<1.7E+00				1	TM pCi/L
Phenols								<37	JU/Q/	<37				1	WA µg/L
Radium, total alpha-emitting								<1.2E-01	U//	<7.0E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<4.6E-01	U//	<1.2E+00				1	TM pCi/L
Sulfate								740	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								44,000	J/I/Q/	NDD				1	WA µg/L
Total organic carbon								<1,000	U//	<1,000				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								5.8E+00	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								<53	U//	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 39D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73583.5 E57831.0	33.282876 °N 81.657454 °W	244.7-224.7 ft msl	295.7 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 10/26/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		237.0	ft msl
pH		4.3	pH
Sp. conductance		34	µS/cm
Water temperature		22.1	°C
Alkalinity as CaCO3		0	mg/L
Turbidity		6	NTU
Volumes purged		2.4	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								<13,000	U//	<130				1	WA	µg/L
Aluminum, total recoverable								150	//					1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								6.2	//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								<1.6E+02	U//	<1.7E+02				1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA	µg/L
Chromium, total recoverable								<7.0	U//	<7.0				1	WA	µg/L
Copper, total recoverable								6.1	J//	NDD				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<3.0	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								4.2E+00	//					1	TM	pCi/L
Iron, total recoverable								120	//					1	WA	µg/L
Lead, total recoverable								<47	U//	<47				1	WA	µg/L
Lithium, total recoverable								0.37	J//	NDD				1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								<26	U//	<26				1	WA	µg/L
Nonvolatile beta								3.2E+00	J//	NDD				1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								1.9E+00	J//	NDD				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Strontium-90								<6.0E-02	U//	<1.1E+00				1	TM	pCi/L
Sulfate								470	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								<50,000	JU/Q/	<500				1	WA	µg/L
Total organic carbon								180	J//	NDD				1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
Tritium								5.0E+01	//					1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								<53	U//	<53				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 40D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76125.8 E54638.6	33.283290 °N 81.670799 °W	226.5-216.6 ft msl	288.4 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 11/19/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		223.1	ft msl
pH		5.7	pH
Sp. conductance		110	µS/cm
Water temperature		21.6	°C
Alkalinity as CaCO3		37	mg/L
Turbidity		8	NTU
Volumes purged		0.47	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								47,000	//					1	WA µg/L
Aluminum, total recoverable								220	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								55	N//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								27	J//	NDD				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoforn								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<-5.3E+01	U//	<-1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<2.1	U//	<10				1	WA µg/L
Chromium, total recoverable								3.9	J//	NDD				1	WA µg/L
Copper, total recoverable								6.4	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								4.2E+00	//					1	TM pCi/L
Iron, total recoverable								650	N//					1	WA µg/L
Lead, total recoverable								13	J//	NDD				1	WA µg/L
Lithium, total recoverable								230	N//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								6.7	J//	NDD				1	WA µg/L
Nonvolatile beta								1.5E+01	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<5.5E-01	U//	<7.6E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<-1.5E-01	U//	<-1.2E+00				1	TM pCi/L
Sulfate								1,500	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								61,000	//					1	WA µg/L
Total organic carbon								600	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								1.9	J//	NDD				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								7.7E+00	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								76	//					1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 41A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76469.5 E55403.7	33.285299 °N 81.669452 °W	113.3-103.3 ft msl	300.3 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE 12/08/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		159.5	ft msl
pH		11.7	pH
Sp. conductance		4700	µS/cm
Water temperature		20.2	°C
Alkalinity as CaCO ₃		804	mg/L
Turbidity		0.9	NTU
Volumes purged		0.05	Well vol
Well vol			
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Aluminum, total recoverable								410	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								890	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<1.6E+01	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								24	//					1	WA µg/L
Copper, total recoverable								3.5	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<1.1	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								1.9E+01	//					1	TM pCi/L
Iron, total recoverable								<24	U//	<74				1	WA µg/L
Lead, total recoverable								31	J//	NDD				1	WA µg/L
Lithium, total recoverable								230	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								1.8E+01	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								8.3E+00	//					1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<4.0E-02	U//	<1.5E+00				1	TM pCi/L
Sulfate								5,100	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								950,000	J/Q	NDD				1	WA µg/L
Total organic carbon								3,600	//					1	WA µg/L
Total organic halogens								13	J//	NDD				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								11	//					1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								2.5E+00	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								6.3	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent 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>Pump</u>	<u>Screen Zone</u>
N76404.7 E55522.3	33.285349 °N 81.669014 °W	195.9-185.9 ft msl	297.9 ft msl	4" PVC	S	Barnwell (IIB ₁)

SAMPLE DATE 11/30/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		223.7	ft msl
pH		4.9	pH
Sp. conductance		33	µS/cm
Water temperature		19.9	°C
Alkalinity as CaCO ₃		3	mg/L
Turbidity		8	NTU
Volumes purged		0.081	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								4,000	J//	NDD				1	WA µg/L
Aluminum, total recoverable								61	J//	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								16	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								57	J//	NDD				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<1.6E+01	U//	<1.7E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								<2.3	U//	<7.0				1	WA µg/L
Copper, total recoverable								27	//					1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<2.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								1.4E+00	J//	NDD				1	TM pCi/L
Iron, total recoverable								550	//					1	WA µg/L
Lead, total recoverable								19	J//	NDD				1	WA µg/L
Lithium, total recoverable								3.5	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								<8.0E-01	U//	<2.0E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<2.6E-01	U//	<9.2E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<3.0E-02	U//	<1.2E+00				1	TM pCi/L
Sulfate								540	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								23,000	J//Q/	NDD				1	WA µg/L
Total organic carbon								860	J//	NDD				1	WA µg/L
Total organic halogens								68	J//	NDD				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								81	J//K/O	NDD				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								1.2E+01	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								30	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 43A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N77061.4 E56253.4	33.287994 °N 81.668364 °W	115.9-105.9 ft msl	314.9 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE 12/01/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		156.8	ft msl
pH		12.0	pH
Sp. conductance		2690	µS/cm
Water temperature		19.2	°C
Alkalinity as CaCO3		726	mg/L
Turbidity		4	NTU
Volumes purged		0.060	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								490,000	//					1	WA µg/L
Aluminum, total recoverable								790	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								170	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<9.4E+01	U//	<1.7E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								1.8	J//	NDD				1	WA µg/L
Chromium, total recoverable								6.4	J//	NDD				1	WA µg/L
Copper, total recoverable								2.0	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<2.5	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								3.7E+00	//					1	TM pCi/L
Iron, total recoverable								<21	U//	<74				1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								290	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								1.9E+01	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								1.2E+01	J//	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<1.2E+00	U//	<1.3E+00				1	TM pCi/L
Sulfate								8,200	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								18,000	J//	NDD				1	WA µg/L
Total organic carbon								2,000	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								1.5E+00	J//	NDD				1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								<53	U//	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 43AA

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

SAMPLE DATE 11/12/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		156.4	ft msl
pH		8.3	pH
Sp. conductance		190	µS/cm
Water temperature		18.1	°C
Alkalinity as CaCO3		79	mg/L
Turbidity		2	NTU
Volumes purged		2.8	Well vol
Sampling code			

ANALYTICAL DATA

Analvte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								95,000	//					1	WA	µg/L
Aluminum, total recoverable								35	J//	NDD				1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								48	//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								<4.7E+01	U//	<1.8E+02				1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA	µg/L
Chromium, total recoverable								<1.2	U//	<7.0				1	WA	µg/L
Copper, total recoverable								<15	U//	<15				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								1.6E+00	J//	NDD				1	TM	pCi/L
Iron, total recoverable								<74	U//	<74				1	WA	µg/L
Lead, total recoverable								<47	U//	<47				1	WA	µg/L
Lithium, total recoverable								13	//					1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								<26	U//	<26				1	WA	µg/L
Nonvolatile beta								3.5E+00	J//	NDD				1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								8.1E-01	J//	NDD				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Strontium-90								<6.0E-02	U//	<1.3E+00				1	TM	pCi/L
Sulfate								6,300	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								<50,000	JU/Q/	<500				1	WA	µg/L
Total organic carbon								740	J//	NDD				1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
Thitium								<2.6E-01	U//	<5.4E-01				1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								<53	U//	<53				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 43CR

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

SAMPLE DATE 11/12/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		226.0	ft msl
pH		9.8	pH
Sp. conductance		150	µS/cm
Water temperature		18.4	°C
Alkalinity as CaCO ₃		31	mg/L
Turbidity		8	NTU
Volumes purged		0.032	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								29,000	//					1	WA µg/L
Aluminum, total recoverable								410	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								56	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								120	J//	NDD				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<6.1E+01	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								<0.79	U//	<7.0				1	WA µg/L
Copper, total recoverable								23	//					1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								1.4E+01	//					1	TM pCi/L
Iron, total recoverable								920	//					1	WA µg/L
Lead, total recoverable								22	J//	NDD				1	WA µg/L
Lithium, total recoverable								30	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								2.8	J//	NDD				1	WA µg/L
Nonvolatile beta								1.1E+01	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								6.2E+00	//					1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<8.8E-01	U//	<1.4E+00				1	TM pCi/L
Sulfate								12,000	//					2	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								9,000	J//	NDD				1	WA µg/L
Total organic carbon								2,200	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								5.0E+00	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								79	//					1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 43D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N77056.7 E56238.8	33.287960 °N 81.668394 °W	208.2-198.2 ft msl	315.3 ft msl	4" PVC	S	Barnwell (IIb ₁)

SAMPLE DATE 11/12/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		232.0	ft msl
pH		5.3	pH
Sp. conductance		56	µS/cm
Water temperature		16.9	°C
Alkalinity as CaCO ₃		6	mg/L
Turbidity		1	NTU
Volumes purged		3.6	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								8,500	J//	NDD				1	WA µg/L
Aluminum, total recoverable								16	J//	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								15	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								50	J//	NDD				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								0.50	J//	NDD				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<2.1E+01	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<1.0	U//	<1.0				1	WA µg/L
Chromium, total recoverable								<7.0	U//	<7.0				1	WA µg/L
Copper, total recoverable								1.8	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								2.8E+00	//					1	TM pCi/L
Iron, total recoverable								<21	U//	<74				1	WA µg/L
Lead, total recoverable								11	J//	NDD				1	WA µg/L
Lithium, total recoverable								2.4	J//	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								3.0E+00	J//	NDD				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								1.7E+00	J//	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<4.9E-01	U//	<1.4E+00				1	TM pCi/L
Sulfate								7,900	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								<50,000	JU/Q/	<500				1	WA µg/L
Total organic carbon								1,100	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								4.8E+00	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								6.7	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 44A

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

SAMPLE DATE 11/12/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		138.9	ft msl
pH		6.7	pH
Sp. conductance		160	µS/cm
Water temperature		19.0	°C
Alkalinity as CaCO3		72	mg/L
Turbidity		1	NTU
Volumes purged		3.7	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								79,000	//					1	WA	µg/L
Aluminum, total recoverable								21	J//	NDD				1	GE	µg/L
Antimony, total recoverable								4.1	J//	NDD				1	WA	µg/L
Arsenic, total recoverable								<5.0	U//	<5.0				1	GE	µg/L
Barium, total recoverable								36	//					1	GE	µg/L
Benzene								<1.0	U//	<1.0				1	GE	µg/L
Boron, total recoverable								7.9	J//	NDD				1	GE	µg/L
Bromodichloromethane								<1.0	U//	<1.0				1	GE	µg/L
Bromoform								<1.0	U//	<1.0				1	GE	µg/L
Bromomethane (Methyl bromide)								<1.0	U//	<1.0				1	GE	µg/L
Cadmium, total recoverable								0.49	J//	NDD				1	WA	µg/L
Carbon tetrachloride								<1.0	U//	<1.0				1	GE	µg/L
Carbon-14								<-2.1E+00	U//	<9.6E+00				1	GE	pCi/L
Chlorobenzene								<1.0	U//	<1.0				1	GE	µg/L
Chloroethane								<1.0	U//	<1.0				1	GE	µg/L
Chloroethene (Vinyl chloride)								<1.0	U//	<1.0				1	GE	µg/L
2-Chloroethyl vinyl ether								<5.0	U//	<5.0				1	GE	µg/L
Chloroform								<1.0	U//	<1.0				1	GE	µg/L
Chloromethane (Methyl chloride)								<1.0	U//	<1.0				1	GE	µg/L
Chromium, total recoverable								<2.1	U//	<7.0				1	WA	µg/L
Copper, total recoverable								<5.0	U//	<5.0				1	GE	µg/L
Dibromochloromethane								<1.0	U//	<1.0				1	GE	µg/L
1,1-Dichloroethane								<1.0	U//	<1.0				1	GE	µg/L
1,2-Dichloroethane								<1.0	U//	<1.0				1	GE	µg/L
1,1-Dichloroethylene								<1.0	U//	<1.0				1	GE	µg/L
trans-1,2-Dichloroethylene								<1.0	U//	<1.0				1	GE	µg/L
Dichloromethane								<5.0	U//	<5.0				1	GE	µg/L
1,2-Dichloropropane								<1.0	U//	<1.0				1	GE	µg/L
cis-1,3-Dichloropropene								<1.0	U//	<1.0				1	GE	µg/L
trans-1,3-Dichloropropene								<1.0	U//	<1.0				1	GE	µg/L
Ethylbenzene								<1.0	U//	<1.0				1	GE	µg/L
Gross alpha								1.8E+00	J//	NDD				1	TM	pCi/L
Iron, total recoverable								<17	U//	<74				1	WA	µg/L
Lead, total recoverable								<5.0	U//	<5.0				1	GE	µg/L
Lithium, total recoverable								7.8	//					1	WA	µg/L
Mercury, total recoverable								<0.20	U//	<0.20				1	GE	µg/L
Nickel, total recoverable								<5.0	U//	<5.0				1	GE	µg/L
Nonvolatile beta								<1.5E+00	U//	<1.7E+00				1	TM	pCi/L
Phenols								<5.0	U//	<5.0				1	GE	µg/L
Radium, total alpha-emitting								8.7E-01	J//	NDD				1	TM	pCi/L
Selenium, total recoverable								<5.0	U//	<5.0				1	GE	µg/L
Silver, total recoverable								2.0	J//L/I	NDD				1	GE	µg/L
Strontium-90								<3.4E-01	U//	<1.4E+00				1	GE	pCi/L
Sulfate								5,900	//					1	GE	µg/L
1,1,2,2-Tetrachloroethane								<1.0	U//	<1.0				1	GE	µg/L
Tetrachloroethylene								<1.0	U//	<1.0				1	GE	µg/L
Tin, total recoverable								<10	U//	<10				1	GE	µg/L
Toluene								<1.0	U//	<1.0				1	GE	µg/L
Total dissolved solids								120,000	//					1	GE	µg/L
Total organic carbon								2,300	J//	NDD				1	GE	µg/L
Total organic halogens								<10	U//	<10				1	GE	µg/L
1,1,1-Trichloroethane								<1.0	U//	<1.0				1	GE	µg/L
1,1,2-Trichloroethane								<1.0	U//	<1.0				1	GE	µg/L
Trichloroethylene								<1.0	U//	<1.0				1	GE	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	GE	µg/L
Tritium								<-3.7E-01	U//	<6.6E-01				1	GE	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								2.4	J//	NDD				1	GE	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

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>Pump</u>	<u>Screen Zone</u>
N76757.0 E57880.581.663488 °W	33.289976 °N	71.3-61.2 ft msl	285.3 ft msl	4" PVC	S	L. Congaree (IIA)

SAMPLE DATE 11/16/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		158.7	ft msl
pH		11.9	pH
Sp. conductance		780	µS/cm
Water temperature		19.5	°C
Alkalinity as CaCO3		203	mg/L
Turbidity		1	NTU
Volumes purged		2.4	Well vol
Sampling code			

ANALYTICAL DATA

<u>Analyte</u>	<u>2Q98</u>	<u>Mod</u>	<u>Filt.</u>	<u>S</u>	<u>H</u>	<u>DF</u>	<u>Lab</u>	<u>4Q98</u>	<u>Mod</u>	<u>Filt.</u>	<u>S</u>	<u>H</u>	<u>DF</u>	<u>Lab</u>	<u>Unit</u>
Alkalinity (as CaCO ₃)								140,000	//					1	WA µg/L
Aluminum, total recoverable								480	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								140	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<1.1E+01	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								0.73	J//	NDD				1	WA µg/L
Copper, total recoverable								<15	U//	<15				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<2.7	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								4.3E+00	//					1	TM pCi/L
Iron, total recoverable								24	J//	NDD				1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								83	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								6.2E+00	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								1.8E+00	J//	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<5.4E-01	U//	<1.4E+00				1	TM pCi/L
Sulfate								8,500	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								160,000	J//	NDD				1	WA µg/L
Total organic carbon								940	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								7.4E+00	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								9.7	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 44B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76756.0 E57865.8	33.289950 °N 81.663525 °W	158.1-148.1 ft msl	285.2 ft msl	4" PVC	S	McBean (IIB ₁)

SAMPLE DATE 11/18/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		221.7	ft msl
pH		9.2	pH
Sp. conductance		170	µS/cm
Water temperature		20.0	°C
Alkalinity as CaCO ₃		102	mg/L
Turbidity		14	NTU
Volumes purged		0.23	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								97,000	//					1	WA	µg/L
Aluminum, total recoverable								70	J//	NDD				1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								4.8	J//	NDD				1	WA	µg/L
Barium, total recoverable								100	//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable								27	J//	NDD				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								1.1	J//	NDD				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								<1.5E+00	U//	<2.0E+02				1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA	µg/L
Chromium, total recoverable								<2.1	U//	<7.0				1	WA	µg/L
Copper, total recoverable								2.2	J//	NDD				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<11	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								2.2E+00	J//	NDD				1	TM	pCi/L
Iron, total recoverable								120	//					1	WA	µg/L
Lead, total recoverable								<47	U//	<47				1	WA	µg/L
Lithium, total recoverable								27	//					1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								<26	U//	<26				1	WA	µg/L
Nonvolatile beta								2.7E+00	J//	NDD				1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								<3.8E-01	U//	<5.1E-01				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Strontium-90								<2.8E-01	U//	<1.3E+00				1	TM	pCi/L
Sulfate								8,200	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								190,000	J/Q	NDD				1	WA	µg/L
Total organic carbon								3,700	//					1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
Tritium								3.9E+01	//					1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								62	//					1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 44C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76757.8 E57894.9	33.290001 °N 81.663452 °W	200.6-190.6 ft msl	285.6 ft msl	4" PVC	S	Barnwell (IIB ₁)

SAMPLE DATE 11/18/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		221.5	ft msl
pH		8.4	pH
Sp. conductance		100	µS/cm
Water temperature		20.7	°C
Alkalinity as CaCO ₃		55	mg/L
Turbidity		14	NTU
Volumes purged		0.39	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								50,000	//					1	WA	µg/L
Aluminum, total recoverable								280	//					1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								50	//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								1.1E+03	R//4					1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA	µg/L
Chromium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Copper, total recoverable								<15	U//	<15				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<1.4	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								3.1E+00	//					1	TM	pCi/L
Iron, total recoverable								690	N//					1	WA	µg/L
Lead, total recoverable								9.7	J//	NDD				1	WA	µg/L
Lithium, total recoverable								18	N//					1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								3.2	J//	NDD				1	WA	µg/L
Nonvolatile beta								2.6E+00	J//	NDD				1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								1.3E+00	J//	NDD				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Strontium-90								<5.2E-01	U//	<1.4E+00				1	TM	pCi/L
Sulfate								1,200	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								81,000	J//Q	NDD				1	WA	µg/L
Total organic carbon								2,500	//					1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
Tritium								1.0E+02	//					1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								18	J//	NDD				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 44D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76759.5 E57910.0	33.290030 °N 81.663415 °W	233.4-223.4 ft msl	285.4 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 11/19/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		232.0	ft msl
pH		4.5	pH
Sp. conductance		20	µS/cm
Water temperature		19.1	°C
Alkalinity as CaCO3		0	mg/L
Turbidity		1	NTU
Volumes purged		9.6	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								<13,000	U//	<130				1	WA µg/L
Aluminum, total recoverable								19	J//	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								58	N//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								1.9E+02	R//4	NDD				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								<7.0	U//	<7.0				1	WA µg/L
Copper, total recoverable								<15	U//	<15				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								4.2E+00	//					1	TM pCi/L
Iron, total recoverable								<41	U//	<74				1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								<0.97	U//	<2.7				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								4.8E+00	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								1.5E+00	J//	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<-9.0E-02	U//	<1.2E+00				1	TM pCi/L
Sulfate								190	J//	NDD				1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								21,000	J//	NDD				1	WA µg/L
Total organic carbon								530	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								5.8E+01	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								<53	U//	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 45A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75830.0 E54550.1	33.282492 °N 81.670457 °W	126.9-116.9 ft msl	278.9 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE 11/16/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		160.8	ft msl
pH		7.6	pH
Sp. conductance		160	µS/cm
Water temperature		19.4	°C
Alkalinity as CaCO3		45	mg/L
Turbidity		1	NTU
Volumes purged		5.6	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								82,000	//					1	WA µg/L
Aluminum, total recoverable								16	J//	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								42	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<4.6E+01	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								0.83	J//	NDD				1	WA µg/L
Copper, total recoverable								1.8	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<2.6	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								<1.0E+00	U//	<1.1E+00				1	TM pCi/L
Iron, total recoverable								14	J//	NDD				1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								2.9	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								<1.3E-01	U//	<1.9E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<2.0E-01	U//	<7.6E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<-5.6E-01	U//	<1.4E+00				1	TM pCi/L
Sulfate								2,000	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								110,000	J/Q/	NDD				1	WA µg/L
Total organic carbon								1,200	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								1.2	J//	NDD				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								1.6E+01	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								<53	U//	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 45B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75840.3 E54563.6	33.282536 °N 81.670441 °W	147.0-137.0 ft msl	278.6 ft msl	4" PVC	S	McBean (IIB ₁)

SAMPLE DATE 11/17/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		219.9	ft msl
pH		10.9	pH
Sp. conductance		730	µS/cm
Water temperature		21.1	°C
Alkalinity as CaCO ₃		137	mg/L
Turbidity		3	NTU
Volumes purged		0.13	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								27,000	//					1	WA µg/L
Aluminum, total recoverable								71	J/N	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								65	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<3.8E+01	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								<7.0	U//	<7.0				1	WA µg/L
Copper, total recoverable								2.2	J/N	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<9.4	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								1.8E+00	J/N	NDD				1	TM pCi/L
Iron, total recoverable								<13	U//	<74				1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								55	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								6.2E+00	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<2.4E-01	U//	<6.9E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<-1.5E-01	U//	<1.2E+00				1	TM pCi/L
Sulfate								590	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								150,000	J/Q	NDD				1	WA µg/L
Total organic carbon								1,100	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								1.1E+01	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								<53	U//	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 45C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75835.0 E54577.4	33.282547 °N 81.670395 °W	200.5-190.5 ft msl	278.6 ft msl	4" PVC	S	Bamwell (IIB ₁)

SAMPLE DATE 11/17/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		223.6	ft msl
pH		5.5	pH
Sp. conductance		29	µS/cm
Water temperature		20.4	°C
Alkalinity as CaCO ₃		7	mg/L
Turbidity		12	NTU
Volumes purged		0.14	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								7,200	J/I	NDD				1	WA µg/L
Aluminum, total recoverable								210	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								11	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								29	J/I	NDD				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								5.3E+02	R/I/4					1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								<7.0	U//	<7.0				1	WA µg/L
Copper, total recoverable								19	//					1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<11	U/N//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								1.2E+00	J/I	NDD				1	TM pCi/L
Iron, total recoverable								260	N//					1	WA µg/L
Lead, total recoverable								22	J/I	NDD				1	WA µg/L
Lithium, total recoverable								2.8	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								4.5	J/I	NDD				1	WA µg/L
Nonvolatile beta								<3.0E-02	U//	<1.8E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<5.3E-01	U//	<6.9E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<-3.6E-01	U//	<1.3E+00				1	TM pCi/L
Sulfate								380	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								36,000	J/I/Q/	NDD				1	WA µg/L
Total organic carbon								1,600	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								5.0E+02	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								44	J/I	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 45D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75854.3 E54585.6	33.282603 °N 81.670411 °W	229.6-209.6 ft msl	278.6 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 11/18/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		227.8	ft msl
pH		4.1	pH
Sp. conductance		33	µS/cm
Water temperature		18.3	°C
Alkalinity as CaCO3		0	mg/L
Turbidity		1	NTU
Volumes purged		4.7	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								<13,000	U//	<130				1	WA	µg/L
Aluminum, total recoverable								29	J//	NDD				1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								12	//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								<-6.2E+01	U//	<1.9E+02				1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA	µg/L
Chromium, total recoverable								<7.0	U//	<7.0				1	WA	µg/L
Copper, total recoverable								1.9	J//	NDD				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<1.2	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								3.1E+00	//					1	TM	pCi/L
Iron, total recoverable								<42	U//	<74				1	WA	µg/L
Lead, total recoverable								4.8	J//	NDD				1	WA	µg/L
Lithium, total recoverable								<1.2	U//	<2.7				1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								<26	U//	<26				1	WA	µg/L
Nonvolatile beta								<8.1E-01	U//	<1.4E+00				1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								7.1E-01	J//	NDD				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Strontium-90								<3.9E-01	U//	<1.4E+00				1	TM	pCi/L
Sulfate								630	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								32,000	J//Q/	NDD				1	WA	µg/L
Total organic carbon								810	J//	NDD				1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								5.0	J//	NDD				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
Tritium								8.1E+00	//					1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								<53	U//	<53				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 46B

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N75012.1 E54444.7	33.280511 °N 81.669146 °W	150.4-140.4 ft msl	265.4 ft msl	4" PVC	S	McBean (IIB ₁)

SAMPLE DATE 11/19/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		218.1	ft msl
pH		6.7	pH
Sp. conductance		55	µS/cm
Water temperature		19.5	°C
Alkalinity as CaCO ₃		18	mg/L
Turbidity		1	NTU
Volumes purged		2.3	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								21,000	//					1	WA µg/L
Aluminum, total recoverable								28	J//	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								4.7	N//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<-2.7E+01	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<1.6	U//	<10				1	WA µg/L
Chromium, total recoverable								2.7	J//	NDD				1	WA µg/L
Copper, total recoverable								4.5	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								<2.2E-01	U//	<8.7E-01				1	TM pCi/L
Iron, total recoverable								110	N//					1	WA µg/L
Lead, total recoverable								4.8	J//	NDD				1	WA µg/L
Lithium, total recoverable								<2.0	U//	<2.7				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								<6.7E-01	U//	<1.8E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<-2.6E-01	U//	<7.0E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<1.9E-01	U//	<1.2E+00				1	TM pCi/L
Sulfate								490	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								56,000	//					1	WA µg/L
Total organic carbon								840	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								2.6	J//	NDD				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								6.4E+00	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								14	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 46C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75022.2 E54433.9	33.280515 °N 81.669194 °W	188.0-178.0 ft msl	265.1 ft msl	4" PVC	S	Barnwell (IIB ₁)

SAMPLE DATE 12/01/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		219.5	ft msl
pH		7.2	pH
Sp. conductance		40	µS/cm
Water temperature		22.3	°C
Alkalinity as CaCO ₃		12	mg/L
Turbidity		15	NTU
Volumes purged		0.074	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								14,000	//					1	WA µg/L
Aluminum, total recoverable								210	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								8.9	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								2.4E+03	R//4					1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								2.4	J//	NDD				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								2.5	J//	NDD				1	WA µg/L
Copper, total recoverable								<15	U//	<15				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								2.5	J//	NDD				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<2.4	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								1.6E+00	//					1	TM pCi/L
Iron, total recoverable								1,100	N//					1	WA µg/L
Lead, total recoverable								15	J//	NDD				1	WA µg/L
Lithium, total recoverable								16	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								2.8	J//	NDD				1	WA µg/L
Nonvolatile beta								<1.2E+00	U//	<1.9E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								5.8E+00	J//	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<2.6E-01	U//	<1.3E+00				1	TM pCi/L
Sulfate								1,200	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								1.2	J//	NDD				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								18,000	J//Q//	NDD				1	WA µg/L
Total organic carbon								1,200	//					1	WA µg/L
Total organic halogens								63	J//	NDD				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								33	//					1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								6.2E+03	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								22	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 46D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75033.8 E54420.0	33.280518 °N 81.669253 °W	212.1-202.1 ft msl	265.1 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 12/08/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		224.8	ft msl
pH		4.6	pH
Sp. conductance		57	µS/cm
Water temperature		21.7	°C
Alkalinity as CaCO3		0	mg/L
Turbidity		8	NTU
Volumes purged		3.1	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								<3,800							
Aluminum, total recoverable								21	J/I/	NDD			1	WA	µg/L
Antimony, total recoverable								<27	U/I/	<27			1	WA	µg/L
Arsenic, total recoverable								<40	U/I/	<40			1	WA	µg/L
Barium, total recoverable								5.3	I/				1	WA	µg/L
Benzene								1.2	J/I/Q/	NDD		●	1	WA	µg/L
Boron, total recoverable								<270	U/I/	<270			1	WA	µg/L
Bromodichloromethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Bromoform								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Bromomethane (Methyl bromide)								<10	JU/Q/	<10		●	1	WA	µg/L
Cadmium, total recoverable								<4.7	U/I/	<4.7			1	WA	µg/L
Carbon tetrachloride								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Carbon-14								2.5E+04	R/I/4				1	TM	pCi/L
Chlorobenzene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Chloroethane								<10	JU/Q/	<10		●	1	WA	µg/L
Chloroethene (Vinyl chloride)								16	J/Q/	NDD		●	1	WA	µg/L
2-Chloroethyl vinyl ether								<10	JU/Q/	<10		●	1	WA	µg/L
Chloroform								1.7	J/I/Q/	NDD		●	1	WA	µg/L
Chloromethane (Methyl chloride)								<10	JU/Q/	<10		●	1	WA	µg/L
Chromium, total recoverable								1.0	J/I/	NDD			1	WA	µg/L
Copper, total recoverable								<15	U/I/	<15			1	WA	µg/L
Dibromochloromethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
1,1-Dichloroethane								65	J/Q/	NDD		●	1	WA	µg/L
1,2-Dichloroethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
1,1-Dichloroethylene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Dichloromethane								<3.6	U/I/	<5.0			1	WA	µg/L
1,2-Dichloropropane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Ethylbenzene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Gross alpha								4.2E+00	I/				1	TM	pCi/L
Iron, total recoverable								160	I/				1	WA	µg/L
Lead, total recoverable								<47	U/I/	<47			1	WA	µg/L
Lithium, total recoverable								6.0	I/				1	WA	µg/L
Mercury, total recoverable								0.19	J/I/	NDD			1	WA	µg/L
Nickel, total recoverable								<26	U/I/	<26			1	WA	µg/L
Nonvolatile beta								3.1E+00	J/I/	NDD			1	TM	pCi/L
Phenols								<37	U/I/	<37			1	WA	µg/L
Radium, total alpha-emitting								1.3E+00	J/I/	NDD			1	TM	pCi/L
Selenium, total recoverable								<66	U/I/	<66			1	WA	µg/L
Silver, total recoverable								1.3	J/I/	NDD			1	WA	µg/L
Strontium-90								2.1E+00	J/I/	NDD			1	TM	pCi/L
Sulfate								1,500	I/				1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Tetrachloroethylene								5.7	J/Q/	NDD		●	1	WA	µg/L
Tin, total recoverable								<70	U/I/	<70			1	WA	µg/L
Toluene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Total dissolved solids								34,000	J/I/Q/	NDD		●	1	WA	µg/L
Total organic carbon								3,800	I/				1	WA	µg/L
Total organic halogens								640	J/I/	NDD			10	WA	µg/L
1,1,1-Trichloroethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
1,1,2-Trichloroethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Trichloroethylene								23	J/Q/	NDD		●	1	WA	µg/L
Trichlorofluoromethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Tritium								2.7E+02	I/			■	1	TM	pCi/mL
Xylenes								3.4	J/I/Q/	NDD		●	1	WA	µg/L
Zinc, total recoverable								6.2	J/I/	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 47A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74728.8 E54914.0	33.280650 °N 81.667360 °W	96.8-86.8 ft msl	266.9 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE 11/18/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		162.5	ft msl
pH		10.8	pH
Sp. conductance		255	µS/cm
Water temperature		19.5	°C
Alkalinity as CaCO ₃		94	mg/L
Turbidity		1	NTU
Volumes purged		2.8	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								94,000	//					1	WA	µg/L
Aluminum, total recoverable								360	//					1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								83	//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<3.9	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								<8.8E-01	U//	<9.1E+00				1	GE	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								<5.9	U//	<10				1	WA	µg/L
Chromium, total recoverable								<1.8	U//	<7.0				1	WA	µg/L
Copper, total recoverable								<15	U//	<15				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<1.4	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								2.2E+00	J//	NDD				1	TM	pCi/L
Iron, total recoverable								<23	U//	<74				1	WA	µg/L
Lead, total recoverable								<47	U//	<47				1	WA	µg/L
Lithium, total recoverable								35	N//					1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								<26	U//	<26				1	WA	µg/L
Nonvolatile beta								2.6E+00	J//	NDD				1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								<3.3E-01	U//	<5.0E-01				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Strontium-90								<-1.6E-01	U//	<1.4E+00				1	TM	pCi/L
Sulfate								5,600	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								150,000	J/Q/	NDD				1	WA	µg/L
Total organic carbon								1,200	//					1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
Tritium								1.2E+01	//					1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								<53	U//	<53				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 47C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74752.0 E54933.4	33.280733 °N 81.667354 °W	188.6-178.6 ft msl	267.6 ft msl	4" PVC	S	Barnwell (IIB ₁)

SAMPLE DATE 11/18/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		222.7	ft msl
pH		7.6	pH
Sp. conductance		40	µS/cm
Water temperature		20.0	°C
Alkalinity as CaCO ₃		10	mg/L
Turbidity		1	NTU
Volumes purged		2.1	Well vol
Sampling code			

ANALYTICAL DATA

Analvte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								9,100	J/I/	NDD				1	WA µg/L
Aluminum, total recoverable								<150	U//	<150				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								18	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<2.6	U/N/	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<1.5E+02	U//	<1.9E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								1.4	J/I/	NDD				1	WA µg/L
Chloromethane (Methyl chloride)								<4.0	U/N/	<10				1	WA µg/L
Chromium, total recoverable								<1.7	U/N/	<7.0				1	WA µg/L
Copper, total recoverable								<15	U//	<15				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<1.6	U/N/	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								1.6E+00	J/I/	NDD				1	TM pCi/L
Iron, total recoverable								<40	U/N/	<74				1	WA µg/L
Lead, total recoverable								11	J/I/	NDD				1	WA µg/L
Lithium, total recoverable								4.0	N/					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								1.5E+00	J/I/	NDD				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<2.9E-01	U//	<5.4E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<1.5E-01	U//	<1.2E+00				1	TM pCi/L
Sulfate								240	J/I/	NDD				1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								43,000	J/I/Q/	NDD				1	WA µg/L
Total organic carbon								1,400	//					1	WA µg/L
Total organic halogens								19	J/I/	NDD				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								3.4	J/I/	NDD				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								5.0E+02	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								8.0	J/I/	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 47D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74739.7 E54922.9	33.280689 °N 81.667357 °W	213.4-203.4 ft msl	267.4 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 12/01/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		225.7	ft msl
pH		5.3	pH
Sp. conductance		40	µS/cm
Water temperature		20.6	°C
Alkalinity as CaCO3		3	mg/L
Turbidity		2	NTU
Volumes purged		4.0	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								8,100	J/I/	NDD				1	WA µg/L
Aluminum, total recoverable								58	J/I/	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								16	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								3.1E+02	R//4	NDD				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								<7.0	U//	<7.0				1	WA µg/L
Copper, total recoverable								<15	U//	<15				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<2.5	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								5.0E+00	//					1	TM pCi/L
Iron, total recoverable								<29	U//	<74				1	WA µg/L
Lead, total recoverable								9.4	J/I/	NDD				1	WA µg/L
Lithium, total recoverable								1.1	J/I/	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								3.1E+00	J/I/	NDD				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								2.1E+01	//					1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<-1.8E-01	U//	<1.2E+00				1	TM pCi/L
Sulfate								330	J/I/	NDD				1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								10,000	J/I/Q/	NDD				1	WA µg/L
Total organic carbon								460	J/I/	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								1.9	J/I/	NDD				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								2.5E+02	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								<53	U//	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent 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>Pump</u>	<u>Screen Zone</u>
N74599.6 E55124.4	33.280708 °N 81.666555 °W	186.7-176.7 ft msl	276.6 ft msl	4" PVC	S	Barnwell (IIB1)

<u>SAMPLE DATE</u>	12/08/98
--------------------	----------

FIELD DATA

<u>Constituents</u>	2Q98	4Q98	<u>Unit</u>
Water elevation		223	ft msl
pH		5.7	pH
Sp. conductance		40	µS/cm
Water temperature		21.4	°C
Alkalinity as CaCO ₃		4	mg/L
Turbidity		0.9	NTU
Volumes purged		3.4	Well vol
Sampling code			

ANALYTICAL DATA

<u>Analyte</u>	<u>2Q98</u>	<u>Mod</u>	<u>Filt.</u>	<u>S</u>	<u>H</u>	<u>DF</u>	<u>Lab</u>	<u>4Q98</u>	<u>Mod</u>	<u>Filt.</u>	<u>S</u>	<u>H</u>	<u>DF</u>	<u>Lab</u>	<u>Unit</u>
Alkalinity (as CaCO ₃)								<9,500							
Aluminum, total recoverable								32	J//	NDD			1	WA	µg/L
Antimony, total recoverable								<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40			1	WA	µg/L
Barium, total recoverable								18	//				1	WA	µg/L
Benzene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Boron, total recoverable								<270	U//	<270			1	WA	µg/L
Bromodichloromethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Bromoform								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Bromomethane (Methyl bromide)								<10	JU/Q/	<10		●	1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Carbon-14								2.9E+03	R//4				1	TM	pCi/L
Chlorobenzene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Chloroethane								<10	JU/Q/	<10		●	1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	JU/Q/	<10		●	1	WA	µg/L
2-Chloroethyl vinyl ether								<10	JU/Q/	<10		●	1	WA	µg/L
Chloroform								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Chloromethane (Methyl chloride)								<10	JU/Q/	<10		●	1	WA	µg/L
Chromium, total recoverable								2.1	J//	NDD			1	WA	µg/L
Copper, total recoverable								3.0	J//	NDD			1	WA	µg/L
Dibromochloromethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
1,1-Dichloroethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
1,2-Dichloroethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
1,1-Dichloroethylene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Dichloromethane								<2.3	JU/QV/	<5.0		●	1	WA	µg/L
1,2-Dichloropropane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Ethylbenzene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Gross alpha								3.0E+00	//				1	TM	pCi/L
Iron, total recoverable								50	J//	NDD			1	WA	µg/L
Lead, total recoverable								9.9	J//	NDD			1	WA	µg/L
Lithium, total recoverable								1.4	J//	NDD			1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable								<26	U//	<26			1	WA	µg/L
Nonvolatile beta								2.4E+00	J//	NDD			1	TM	pCi/L
Phenols								<37	U//	<37			1	WA	µg/L
Radium, total alpha-emitting								<1.2E+00	U//	<1.3E+00			1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66			1	WA	µg/L
Silver, total recoverable								2.1	J//	NDD			1	WA	µg/L
Strontium-90								<-8.0E-02	U//	<1.6E+00			1	TM	pCi/L
Sulfate								360	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Tetrachloroethylene								3.0	J//Q/	NDD		●	1	WA	µg/L
Tin, total recoverable								<70	U//	<70			1	WA	µg/L
Toluene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Total dissolved solids								28,000	J//Q/	NDD		●	1	WA	µg/L
Total organic carbon								980	J//	NDD			1	WA	µg/L
Total organic halogens								38	J//	NDD			1	WA	µg/L
1,1,1-Trichloroethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
1,1,2-Trichloroethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Trichloroethylene								7.1	J//Q/	NDD		●	1	WA	µg/L
Trichlorofluoromethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Tritium								3.7E+03	//			■	1	TM	pCi/mL
Xylenes								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Zinc, total recoverable								25	J//	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
 ● = exceeded holding time.
 ■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 48D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74586.4 E55121.0	33.280673 °N 81.666538 °W	212.0-202.0 ft msl	276.9 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 12/08/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		226	ft msl
pH		4.6	pH
Sp. conductance		65	µS/cm
Water temperature		21.7	°C
Alkalinity as CaCO3		0	mg/L
Turbidity		1.5	NTU
Volumes purged		2.7	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO3)								<13,000							
Aluminum, total recoverable								170	//				1	WA	µg/L
Antimony, total recoverable								<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40			1	WA	µg/L
Barium, total recoverable								110	//				1	WA	µg/L
Benzene								<5.0	JU/LQ/O	<5.0	●		1	WA	µg/L
Boron, total recoverable								<270	U//	<270			1	WA	µg/L
Bromodichloromethane								<5.0	JU/LQ/O	<5.0	●		1	WA	µg/L
Bromoform								<5.0	JU/LQ/O	<5.0	●		1	WA	µg/L
Bromomethane (Methyl bromide)								<10	JU/LQ/O	<10	●		1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride								<5.0	JU/LQ/O	<5.0	●		1	WA	µg/L
Carbon-14								2.6E+04	R//4				1	TM	pCi/L
Chlorobenzene								<5.0	JU/LQ/O	<5.0	●		1	WA	µg/L
Chloroethane								<10	JU/LQ/O	<10	●		1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	JU/LQ/O	<10	●		1	WA	µg/L
2-Chloroethyl vinyl ether								<10	JU/LQ/O	<10	●		1	WA	µg/L
Chloroform								1.5	J/LQ/O	NDD	●		1	WA	µg/L
Chloromethane (Methyl chloride)								<10	JU/LQ/O	<10	●		1	WA	µg/L
Chromium, total recoverable								<7.0	U//	<7.0			1	WA	µg/L
Copper, total recoverable								<15	U//	<15			1	WA	µg/L
Dibromochloromethane								<5.0	JU/LQ/O	<5.0	●		1	WA	µg/L
1,1-Dichloroethane								<5.0	JU/LQ/O	<5.0	●		1	WA	µg/L
1,2-Dichloroethane								<5.0	JU/LQ/O	<5.0	●		1	WA	µg/L
1,1-Dichloroethylene								<5.0	JU/LQ/O	<5.0	●		1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	JU/LQ/O	<5.0	●		1	WA	µg/L
Dichloromethane								<2.5	JU/LQV/O	<5.0	●		1	WA	µg/L
1,2-Dichloropropane								<5.0	JU/LQ/O	<5.0	●		1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	JU/LQ/O	<5.0	●		1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	JU/LQ/O	<5.0	●		1	WA	µg/L
Ethylbenzene								<5.0	JU/LQ/O	<5.0	●		1	WA	µg/L
Gross alpha								3.5E+01	//		■		1	TM	pCi/L
Iron, total recoverable								280	//				1	WA	µg/L
Lead, total recoverable								11	J//	NDD			1	WA	µg/L
Lithium, total recoverable								2.1	J//	NDD			1	WA	µg/L
Mercury, total recoverable								0.51	J//	NDD			1	WA	µg/L
Nickel, total recoverable								<26	U//	<26			1	WA	µg/L
Nonvolatile beta								1.5E+01	//				1	TM	pCi/L
Phenols								<37	U//	<37			1	WA	µg/L
Radium, total alpha-emitting								1.1E+01	//				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66			1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0			1	WA	µg/L
Strontium-90								<-1.5E+00	JU//	<2.0E+00			1	TM	pCi/L
Sulfate								700	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	JU/LQ/O	<5.0	●		1	WA	µg/L
Tetrachloroethylene								19	J/LQ/O	NDD	●		1	WA	µg/L
Tin, total recoverable								<70	U//	<70			1	WA	µg/L
Toluene								<5.0	JU/LQ/O	<5.0	●		1	WA	µg/L
Total dissolved solids								37,000	J//Q/	NDD	●		1	WA	µg/L
Total organic carbon								1,600	//				1	WA	µg/L
Total organic halogens								260	//				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	JU/LQ/O	<5.0	●		1	WA	µg/L
1,1,2-Trichloroethane								<5.0	JU/LQ/O	<5.0	●		1	WA	µg/L
Trichloroethylene								180	J/LQ/O	NDD	●	2	WA	µg/L	
Trichlorofluoromethane								<5.0	JU/LQ/O	<5.0	●		1	WA	µg/L
Tritium								2.9E+02	//		■		1	TM	pCi/mL
Xylenes								<5.0	JU/LQ/O	<5.0	●		1	WA	µg/L
Zinc, total recoverable								10	J//	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 49A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73902.8 E56205.1	33.280930 °N 81.662356 °W	85.1-75.1 ft msl	271.2 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE 11/18/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		165.4	ft msl
pH		10.6	pH
Sp. conductance		235	µS/cm
Water temperature		18.8	°C
Alkalinity as CaCO ₃		102	mg/L
Turbidity		1	NTU
Volumes purged		2.0	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								82,000	//					1	WA	µg/L
Aluminum, total recoverable								620	//					1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								49	//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								<1.5E+02	U//	<2.0E+02				1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA	µg/L
Chromium, total recoverable								<2.7	U//	<7.0				1	WA	µg/L
Copper, total recoverable								1.7	J//	NDD				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<1.6	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								<9.0E-01	U//	<1.3E+00				1	TM	pCi/L
Iron, total recoverable								<19	U//	<74				1	WA	µg/L
Lead, total recoverable								<47	U//	<47				1	WA	µg/L
Lithium, total recoverable								35	N//					1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								<26	U//	<26				1	WA	µg/L
Nonvolatile beta								5.4E+00	//					1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								<4.1E-01	U//	<4.8E-01				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Strontium-90								<4.7E-01	U//	<1.3E+00				1	TM	pCi/L
Sulfate								2,500	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								140,000	J/Q/	NDD				1	WA	µg/L
Total organic carbon								870	J//	NDD				1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
Tritium								1.9E+00	//					1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								<53	U//	<53				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 49C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73917.2 E56202.2	33.280957 °N 81.662391 °W	176.0-166.0 ft msl	271.1 ft msl	4" PVC	S	Barnwell (IIB ₁)

SAMPLE DATE 11/18/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		228.3	ft msl
pH		5.5	pH
Sp. conductance		67	µS/cm
Water temperature		18.1	°C
Alkalinity as CaCO ₃		23	mg/L
Turbidity		1	NTU
Volumes purged		2.9	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								27,000	//					1	WA	µg/L
Aluminum, total recoverable								<150	U//	<150				1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								42	//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								2.6E+02	R//4	NDD				1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA	µg/L
Chromium, total recoverable								<3.6	U//	<7.0				1	WA	µg/L
Copper, total recoverable								1.8	J//	NDD				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<1.6	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								<5.8E-01	U//	<9.5E-01				1	TM	pCi/L
Iron, total recoverable								<13	U//	<74				1	WA	µg/L
Lead, total recoverable								<47	U//	<47				1	WA	µg/L
Lithium, total recoverable								20	N//					1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								<26	U//	<26				1	WA	µg/L
Nonvolatile beta								<1.2E+00	U//	<1.5E+00				1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								<6.0E-02	U//	<5.4E-01				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								0.51	J//	NDD				1	WA	µg/L
Strontium-90								<2.1E-01	U//	<1.1E+00				1	TM	pCi/L
Sulfate								550	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								52,000	J/Q//	NDD				1	WA	µg/L
Total organic carbon								800	J//	NDD				1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
Tritium								6.9E+01	//					1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								<53	U//	<53				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 49D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73931.5 E56198.8	33.280983 °N 81.662428 °W	238.5-218.5 ft msl	271.5 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 11/23/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		233.6	ft msl
pH		4.4	pH
Sp. conductance		29	µS/cm
Water temperature		18.8	°C
Alkalinity as CaCO ₃		0	mg/L
Turbidity		3	NTU
Volumes purged		0.40	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								<13,000	U//	<130				1	WA µg/L
Aluminum, total recoverable								170	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								7.5	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<-8.3E+01	U//	<1.9E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								<1.6	U//	<7.0				1	WA µg/L
Copper, total recoverable								2.0	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<1.6	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								1.1E+00	J//	NDD				1	TM pCi/L
Iron, total recoverable								340	N//					1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								<0.72	U//	<2.7				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								8.1	J//	NDD				1	WA µg/L
Nonvolatile beta								<1.4E+00	U//	<1.5E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<3.8E-01	U//	<5.0E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<4.6E-01	U//	<1.3E+00				1	TM pCi/L
Sulfate								150	J//	NDD				1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								35,000	J//Q/	NDD				1	WA µg/L
Total organic carbon								3,200	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								2.0E+01	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								<53	U//	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent 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>Pump</u>	<u>Screen Zone</u>
N75201.2 E54179.8	33.280497 °N 81.670210 °W	100.5-90.5 ft msl	255.4 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE 11/19/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		160.5	ft msl
pH		12.0	pH
Sp. conductance		6000	µS/cm
Water temperature		18.0	°C
Alkalinity as CaCO3		869	mg/L
Turbidity		2	NTU
Volumes purged		0.022	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								570,000	//					1	WA µg/L
Aluminum, total recoverable								1,300	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								640	N//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<4.7E+01	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								5.5	J//	NDD				1	WA µg/L
Copper, total recoverable								8.4	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								9.5E+00	//					1	TM pCi/L
Iron, total recoverable								<14	U//	<74				1	WA µg/L
Lead, total recoverable								16	J//	NDD				1	WA µg/L
Lithium, total recoverable								400	N//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								2.3E+01	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								3.5E+00	//					1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<6.8E-01	U//	<1.1E+00				1	TM pCi/L
Sulfate								3,600	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								710,000	//					1	WA µg/L
Total organic carbon								2,400	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								2.2E+00	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								14	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 50C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75190.4 E54197.0	33.280501 °N 81.670144 °W	172.5-162.5 ft msl	255.5 ft msl	4" PVC	S	Barnwell (IIB ₁)

SAMPLE DATE 11/19/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		218.9	ft msl
pH		4.6	pH
Sp. conductance		26	µS/cm
Water temperature		21.1	°C
Alkalinity as CaCO ₃		2	mg/L
Turbidity		10	NTU
Volumes purged		0.081	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								2,000	J/I	NDD				1	WA µg/L
Aluminum, total recoverable								100	J/I	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								7.6	N/I					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromofom								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								4.0E+02	R//4	NDD				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								3.4	J/I	NDD				1	WA µg/L
Copper, total recoverable								3.8	J/I	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								<6.1E-01	U//	<8.2E-01				1	TM pCi/L
Iron, total recoverable								950	N/I					1	WA µg/L
Lead, total recoverable								9.4	J/I	NDD				1	WA µg/L
Lithium, total recoverable								<1.7	U/N/I	<2.7				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								<1.3E+00	U//	<1.8E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<2.3E-01	U//	<7.5E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<-3.3E-01	U//	<1.3E+00				1	TM pCi/L
Sulfate								670	I					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								32,000	J/I	NDD				1	WA µg/L
Total organic carbon								1,600	I					1	WA µg/L
Total organic halogens								45	J/I	NDD				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								13	I					1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								6.4E+02	I					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								13	J/I	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 50D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75181.3 E54209.1	33.280501 °N 81.670095 °W	228.0-208.0 ft msl	256 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 12/01/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		224.8	ft msl
pH		6.0	pH
Sp. conductance		65	µS/cm
Water temperature		20.6	°C
Alkalinity as CaCO3		11	mg/L
Turbidity		3	NTU
Volumes purged		3.8	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								20,000	//					1	WA µg/L
Aluminum, total recoverable								85	J//	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								14	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								8.0E+02	R//4					1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								1.2	J//	NDD				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								0.95	J//	NDD				1	WA µg/L
Copper, total recoverable								2.4	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<3.1	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								5.3E+00	//					1	TM pCi/L
Iron, total recoverable								<68	U//	<74				1	WA µg/L
Lead, total recoverable								9.0	J//	NDD				1	WA µg/L
Lithium, total recoverable								2.2	J//	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								3.2E+00	J//	NDD				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								2.4E+01	//					1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<0.0E+00	U//	<1.3E+00				1	TM pCi/L
Sulfate								590	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								22,000	J//Q/	NDD				1	WA µg/L
Total organic carbon								2,500	//					1	WA µg/L
Total organic halogens								75	J//	NDD				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								2.6	J//	NDD				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								7.6E+02	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								8.6	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 51A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N74133.0 E57841.8	33.284109 °N 81.658493 °W	85.1-75.1 ft msl	289.3 ft msl	2" PVC	V	U. Congaree (IIA)

SAMPLE DATE

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation			ft msl
pH			pH
Sp. conductance			µS/cm
Water temperature			°C
Alkalinity as CaCO3			mg/L
Turbidity			NTU
Volumes purged			Well vol
Sampling code			

Notes: Radionuclide results in italics are less than sample quantitation limit.
 ● = exceeded holding time.
 ■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 51AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74113.1 E57867.0	33.284106 °N 81.658388 °W	39.2-29.2 ft msl	289.2 ft msl	2" PVC	V	L. Congaree (IIA)

SAMPLE DATE 11/19/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		168.2	ft msl
pH		7.2	pH
Sp. conductance		150	µS/cm
Water temperature		20.4	°C
Alkalinity as CaCO3		54	mg/L
Turbidity		1	NTU
Volumes purged		1.4	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								70,000	//						µg/L
Aluminum, total recoverable								24	J//	NDD				1	WA
Antimony, total recoverable								<27	U//	<27				1	WA
Arsenic, total recoverable								<40	U//	<40				1	WA
Barium, total recoverable								80	N//					1	WA
Benzene								<5.0	U//	<5.0				1	WA
Boron, total recoverable								<270	U//	<270				1	WA
Bromodichloromethane								<5.0	U//	<5.0				1	WA
Bromoform								<5.0	U//	<5.0				1	WA
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA
Carbon tetrachloride								<5.0	U//	<5.0				1	WA
Carbon-14								<-1.9E+01	U//	<1.8E+02				1	TM
Chlorobenzene								<5.0	U//	<5.0				1	WA
Chloroethane								<10	U//	<10				1	WA
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA
Chloroform								<5.0	U//	<5.0				1	WA
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA
Chromium, total recoverable								<7.0	U//	<7.0				1	WA
Copper, total recoverable								<15	U//	<15				1	WA
Dibromochloromethane								<5.0	U//	<5.0				1	WA
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA
Dichloromethane								<5.0	U//	<5.0				1	WA
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA
Ethylbenzene								<5.0	U//	<5.0				1	WA
Gross alpha								<9.9E-01	U//	<1.1E+00				1	TM
Iron, total recoverable								500	N//					1	WA
Lead, total recoverable								<47	U//	<47				1	WA
Lithium, total recoverable								42	N//					1	WA
Mercury, total recoverable								<0.70	U//	<0.70				1	WA
Nickel, total recoverable								<26	U//	<26				1	WA
Nonvolatile beta								5.2E+00	//					1	TM
Phenols								<37	U//	<37				1	WA
Radium, total alpha-emitting								<5.3E-01	U//	<6.7E-01				1	TM
Selenium, total recoverable								<66	U//	<66				1	WA
Silver, total recoverable								<5.0	U//	<5.0				1	WA
Strontium-90								<8.4E-01	U//	<1.2E+00				1	TM
Sulfate								9,100	//					2	WA
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA
Tetrachloroethylene								<5.0	U//	<5.0				1	WA
Tin, total recoverable								<70	U//	<70				1	WA
Toluene								<5.0	U//	<5.0				1	WA
Total dissolved solids								130,000	//					1	WA
Total organic carbon								1,300	//					1	WA
Total organic halogens								<120	U//	<120				1	WA
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA
Trichloroethylene								<5.0	U//	<5.0				1	WA
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA
Tritium								<1.9E-01	U//	<6.0E-01				1	TM
Xylenes								<5.0	U//	<5.0				1	WA
Zinc, total recoverable								5.8	J//	NDD				1	WA

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 51B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74127.7 E57848.3	33.284108 °N 81.658466 °W	126.9-116.9 ft msl	289.1 ft msl	2" PVC	V	McBean (IIB)

SAMPLE DATE 10/28/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		231.1	ft msl
pH		7.6	pH
Sp. conductance		210	µS/cm
Water temperature		21.5	°C
Alkalinity as CaCO3		39	mg/L
Turbidity		1	NTU
Volumes purged		3.0	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								86,000	//					1	WA µg/L
Aluminum, total recoverable								<150	U//	<150				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								68	N//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<4.7E+01	U//	<1.9E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								3.1	J//	NDD				1	WA µg/L
Copper, total recoverable								<15	U//	<15				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								1.4E+00	J//	NDD				1	TM pCi/L
Iron, total recoverable								<12	U//	<74				1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								15	N//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								<1.5E+00	U//	<1.9E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<2.3E-01	U//	<7.6E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<3.6E-01	U//	<1.1E+00				1	TM pCi/L
Sulfate								3,900	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								140,000	//					1	WA µg/L
Total organic carbon								790	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								7.1E-01	J//	NDD				1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								6.0	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 51C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74123.1 E57854.4	33.284108 °N 81.658441 °W	185.1-175.1 ft msl	289.1 ft msl	2" PVC	V	Barnwell (IIb ₁)

SAMPLE DATE 11/18/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		230.4	ft msl
pH		5.4	pH
Sp. conductance		24	µS/cm
Water temperature		19.9	°C
Alkalinity as CaCO ₃		1	mg/L
Turbidity		0	NTU
Volumes purged		6.3	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								<13,000	U//	<130				1	WA µg/L
Aluminum, total recoverable								<150	U//	<150				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								3.4	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<-9.9E+01	U//	<1.9E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								<3.3	U//	<7.0				1	WA µg/L
Copper, total recoverable								2.2	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<1.4	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								<5.2E-01	U//	<7.7E-01				1	TM pCi/L
Iron, total recoverable								<27	U//	<74				1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								<0.78	U//	<2.7				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								<3.0E-01	U//	<1.5E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<-5.0E-02	U//	<5.0E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<1.0E-01	U//	<1.5E+00				1	TM pCi/L
Sulfate								410	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								28,000	J//	NDD				1	WA µg/L
Total organic carbon								480	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								3.4E+00	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								<53	U//	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 51D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74118.0 E57860.6	33.284107 °N 81.658414 °W	240.1-220.1 ft msl	289.3 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE 10/28/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		236.5	ft msl
pH		4.0	pH
Sp. conductance		33	µS/cm
Water temperature		24.2	°C
Alkalinity as CaCO3		0	mg/L
Turbidity		5	NTU
Volumes purged		0.37	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								<13,000	U//	<130				1	WA µg/L
Aluminum, total recoverable								30	J//	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								19	N//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<1.1E+02	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								<7.0	U//	<7.0				1	WA µg/L
Copper, total recoverable								2.5	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<1.1	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								9.6E-01	J//	NDD				1	TM pCi/L
Iron, total recoverable								<53	U//	<74				1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								<0.84	U//	<2.7				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								<7.0E-01	U//	<1.8E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<5.7E-01	U//	<6.7E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<9.4E-01	U//	<1.2E+00				1	TM pCi/L
Sulfate								230	J//	NDD				1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								42,000	J//	NDD				1	WA µg/L
Total organic carbon								1,000	//					1	WA µg/L
Total organic halogens								19	J//	NDD				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								2.8E+01	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								6.7	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 52A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74632.6 E57184.0	33.284141 °N 81.661196 °W	91.7-81.7 ft msl	284.4 ft msl	2" PVC	V	U. Congaree (IIA)

SAMPLE DATE 11/19/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		164.1	ft msl
pH		7.0	pH
Sp. conductance		190	µS/cm
Water temperature		19.0	°C
Alkalinity as CaCO3		78	mg/L
Turbidity		1	NTU
Volumes purged		4.4	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								90,000	//					1	WA	µg/L
Aluminum, total recoverable								<150	U//	<150				1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								75	N//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								<2.1E+00	U//	<1.8E+02				1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								<1.8	U//	<10				1	WA	µg/L
Chromium, total recoverable								<7.0	U//	<7.0				1	WA	µg/L
Copper, total recoverable								<15	U//	<15				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<1.1	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								<9.9E-01	U//	<1.1E+00				1	TM	pCi/L
Iron, total recoverable								160	N//					1	WA	µg/L
Lead, total recoverable								<47	U//	<47				1	WA	µg/L
Lithium, total recoverable								39	N//					1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								<26	U//					1	WA	µg/L
Nonvolatile beta								4.2E+00	J//	NDD				1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								<3.0E-02	U//	<7.5E-01				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Strontium-90								<6.3E-01	U//	<1.2E+00				1	TM	pCi/L
Sulfate								6,300	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								160,000	//					1	WA	µg/L
Total organic carbon								970	J//	NDD				1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
Tritium								<-5.0E-02	U//	<6.2E-01				1	TM	pCi/mL
Xylenes								<5.0	U//					1	WA	µg/L
Zinc, total recoverable								7.1	J//	NDD				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 52AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74638.0 E57178.1	33.284143 °N 81.661222 °W	46.6-36.6 ft msl	284.5 ft msl	2" PVC	V	L. Congaree (IIA)

SAMPLE DATE 11/19/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		163.3	ft msl
pH		6.4	pH
Sp. conductance		150	µS/cm
Water temperature		19.1	°C
Alkalinity as CaCO ₃		54	mg/L
Turbidity		1	NTU
Volumes purged		2.8	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								64,000	//					1	WA	µg/L
Aluminum, total recoverable								<150	U//	<150				1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								33	N//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								<1.8E+01	U//	<1.8E+02				1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								<2.1	U//	<10				1	WA	µg/L
Chromium, total recoverable								<7.0	U//	<7.0				1	WA	µg/L
Copper, total recoverable								<15	U//	<15				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<1.0	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								<5.7E-01	U//	<1.2E+00				1	TM	pCi/L
Iron, total recoverable								430	N//					1	WA	µg/L
Lead, total recoverable								<47	U//	<47				1	WA	µg/L
Lithium, total recoverable								27	N//					1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								<26	U//	<26				1	WA	µg/L
Nonvolatile beta								4.3E+00	J//	NDD				1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								<1.7E-01	U//	<7.0E-01				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Sulfate								10,000	//					2	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								140,000	//					1	WA	µg/L
Total organic carbon								1,000	//					1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
Tritium								<1.1E-01	U//	<6.3E-01				1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								6.8	J//	NDD				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 52B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74627.3 E57189.8	33.284139 °N 81.661170 °W	136.7-126.7 ft msl	284.4 ft msl	2" PVC	V	McBean (HBI)

SAMPLE DATE 10/27/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		229.1	ft msl
pH		8.5	pH
Sp. conductance		76	µS/cm
Water temperature		22.8	°C
Alkalinity as CaCO3		15	mg/L
Turbidity		0	NTU
Volumes purged		3.6	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								33,000	//					1	WA µg/L
Aluminum, total recoverable								170	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								14	N//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<-3.2E+01	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<1.9	U//	<10				1	WA µg/L
Chromium, total recoverable								4.5	J//	NDD				1	WA µg/L
Copper, total recoverable								<15	U//	<15				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								<3.8E-01	U//	<9.7E-01				1	TM pCi/L
Iron, total recoverable								76	N//					1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								5.5	N//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								5.9E+00	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<-1.7E-01	U//	<7.0E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Sulfate								1,100	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								56,000	//					1	WA µg/L
Total organic carbon								990	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								2.3E+00	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								7.6	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 52C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74622.0 E57195.5	33.284136 °N 81.661145 °W	188.7-178.7 ft msl	284.5 ft msl	2" PVC	V	Bamwell (IIB ₁)

SAMPLE DATE 11/19/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		229.9	ft msl
pH		4.5	pH
Sp. conductance		20	µS/cm
Water temperature		18.3	°C
Alkalinity as CaCO ₃		2	mg/L
Turbidity		1	NTU
Volumes purged		5.1	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								2,300	J//	NDD				1	WA µg/L
Aluminum, total recoverable								<150	U//	<150				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								5.0	N//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<-2.3E+01	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								1.9	J//	NDD				1	WA µg/L
Copper, total recoverable								1.9	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<1.2	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								<2.4E-01	U//	<9.4E-01				1	TM pCi/L
Iron, total recoverable								<23	U//	<74				1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								<1.2	U//	<2.7				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								9.4E+00	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<1.2E-01	U//	<7.0E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Sulfate								580	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								35,000	J//	NDD				1	WA µg/L
Total organic carbon								1,100	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								<3.7E-01	U//	<6.3E-01				1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								8.0	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 52D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74617.3 E57201.4	33.284136 °N 81.661120 °W	239.4-219.4 ft msl	284.8 ft msl	2" PVC	V	Water Table (IIB2)

SAMPLE DATE 10/28/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		234.6	ft msl
pH		4.1	pH
Sp. conductance		53	µS/cm
Water temperature		20.7	°C
Alkalinity as CaCO3		0	mg/L
Turbidity		10	NTU
Volumes purged		0.40	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								<13,000	U//	<130				1	WA µg/L
Aluminum, total recoverable								220	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								15	N//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								3.2E+02	R//4	NDD				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								4.4	J//	NDD				1	WA µg/L
Copper, total recoverable								8.4	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								4.0E+00	//					1	TM pCi/L
Iron, total recoverable								470	N//					1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								<1.4	U//	<2.7				1	WA µg/L
Mercury, total recoverable								0.14	J//	NDD				1	WA µg/L
Nickel, total recoverable								4.3	J//	NDD				1	WA µg/L
Nonvolatile beta								5.3E+00	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<6.4E-01	U//	<7.4E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Sulfate								270	J//	NDD				1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								32,000	J//	NDD				1	WA µg/L
Total organic carbon								1,800	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								3.2E+01	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								13	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 53A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N76070.8 E55423.9	33.284450 °N 81.668624 °W	88.7-78.7 ft msl	291.4 ft msl	2" PVC	V	U. Congaree (IIA)

SAMPLE DATE 11/19/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		159.2	ft msl
pH		6.7	pH
Sp. conductance		125	µS/cm
Water temperature		19.9	°C
Alkalinity as CaCO3		53	mg/L
Turbidity		1	NTU
Volumes purged		3.0	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								48,000	//					1	WA µg/L
Aluminum, total recoverable								<150	U//	<150				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								33	N//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<-7.2E+01	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								3.0	J//	NDD				1	WA µg/L
Copper, total recoverable								2.9	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<1.1	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								<1.9E-01	U//	<1.0E+00				1	TM pCi/L
Iron, total recoverable								86	N//					1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								3.6	N//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								4.6	J//	NDD				1	WA µg/L
Nonvolatile beta								2.3E+00	J//	NDD				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<3.0E-02	U//	<7.5E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Sulfate								8,900	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								110,000	//					1	WA µg/L
Total organic carbon								620	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								<1.7E-01	U//	<6.3E-01				1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								11	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 53AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76065.0 E55431.5	33.284450 °N 81.668593 °W	48.9-38.9 ft msl	291.7 ft msl	2" PVC	V	L. Congaree (IIA)

SAMPLE DATE 11/19/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		158.7	ft msl
pH		6.6	pH
Sp. conductance		145	µS/cm
Water temperature		20.0	°C
Alkalinity as CaCO3		46	mg/L
Turbidity		1	NTU
Volumes purged		2.5	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								54,000	//					1	WA	µg/L
Aluminum, total recoverable								<150	U//	<150				1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								28	N//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								<-2.1E+01	U//	<-1.8E+02				1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA	µg/L
Chromium, total recoverable								0.78	J//	NDD				1	WA	µg/L
Copper, total recoverable								1.9	J//	NDD				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<1.2	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								<7.8E-01	U//	<1.1E+00				1	TM	pCi/L
Iron, total recoverable								160	N//					1	WA	µg/L
Lead, total recoverable								<47	U//	<47				1	WA	µg/L
Lithium, total recoverable								6.6	N//					1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								2.8	J//	NDD				1	WA	µg/L
Nonvolatile beta								<8.3E-01	U//	<1.9E+00				1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								<-7.0E-02	U//	<6.6E-01				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Sulfate								11,000	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								130,000	//					1	WA	µg/L
Total organic carbon								770	J//	NDD				1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
Tritium								<-2.0E-01	U//	<6.3E-01				1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								14	J//	NDD				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 53B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76076.6 E55416.2	33.284450 °N 81.668656 °W	153.5-143.5 ft msl	291.1 ft msl	2" PVC	V	McBean (IIB ₁)

SAMPLE DATE 11/19/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		222.2	ft msl
pH		7.6	pH
Sp. conductance		215	µS/cm
Water temperature		20.3	°C
Alkalinity as CaCO ₃		98	mg/L
Turbidity		2	NTU
Volumes purged		1.9	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								100,000	//					1	WA	µg/L
Aluminum, total recoverable								26	J//	NDD				1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								29	N//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								<-7.3E+01	U//	<1.8E+02				1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA	µg/L
Chromium, total recoverable								3.0	J//	NDD				1	WA	µg/L
Copper, total recoverable								<15	U//	<15				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<1.4	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								1.2E+00	J//	NDD				1	TM	pCi/L
Iron, total recoverable								<39	U//	<74				1	WA	µg/L
Lead, total recoverable								<47	U//	<47				1	WA	µg/L
Lithium, total recoverable								4.1	N//					1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								<26	U//	<26				1	WA	µg/L
Nonvolatile beta								2.4E+00	J//	NDD				1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								<-3.0E-02	U//	<8.5E-01				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Sulfate								5,900	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								230,000	//					1	WA	µg/L
Total organic carbon								850	J//	NDD				1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
Tritium								<1.6E-01	U//	<6.1E-01				1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								8.7	J//	NDD				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 53C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76082.5 E55408.3	33.284450 °N 81.668688 °W	193.2-183.2 ft msl	290.9 ft msl	2" PVC	V	Bamwell (IIB1)

SAMPLE DATE 12/08/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		223.3	ft msl
pH		7.4	pH
Sp. conductance		135	µS/cm
Water temperature		20.6	°C
Alkalinity as CaCO3		58	mg/L
Turbidity		1	NTU
Volumes purged		3.8	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								60,000							
Aluminum, total recoverable								34	J//	NDD			1	WA	µg/L
Antimony, total recoverable								<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40			1	WA	µg/L
Barium, total recoverable								13	//				1	WA	µg/L
Benzene								<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable								<270	U//	<270			1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0			1	WA	µg/L
Bromoform								<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0			1	WA	µg/L
Carbon-14								<7.6E+01	U//	<1.8E+02			1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0			1	WA	µg/L
Chloroethane								<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10			1	WA	µg/L
Chloroform								<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10			1	WA	µg/L
Chromium, total recoverable								2.9	J//	NDD			1	WA	µg/L
Copper, total recoverable								<15	U//	<15			1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane								<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0			1	WA	µg/L
Gross alpha								<4.9E-01	U//	<1.4E+00			1	TM	pCi/L
Iron, total recoverable								<12	U//	<74			1	WA	µg/L
Lead, total recoverable								<47	U//	<47			1	WA	µg/L
Lithium, total recoverable								0.53	J//	NDD			1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable								<26	U//	<26			1	WA	µg/L
Nonvolatile beta								<2.8E-01	U//	<1.9E+00			1	TM	pCi/L
Phenols								<37	U//	<37			1	WA	µg/L
Radium, total alpha-emitting								<5.0E-02	U//	<1.2E+00			1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66			1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0			1	WA	µg/L
Strontium-90								<-1.5E-01	U//	<1.4E+00			1	TM	pCi/L
Sulfate								450	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene								1.7	J//	NDD			1	WA	µg/L
Tin, total recoverable								<70	U//	<70			1	WA	µg/L
Toluene								<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids								73,000	J/Q/	NDD			1	WA	µg/L
Total organic carbon								840	J//	NDD			1	WA	µg/L
Total organic halogens								41	J//	NDD			1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene								46	//				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0			1	WA	µg/L
Tritium								5.6E+01	//				1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable								<53	U//	<53			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 53D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N76056.0 E55425.5	33.284420 °N 81.668591 °W	245.3-225.3 ft msl	291.6 ft msl	2"PVC	V	Bamwell (IIB1)

SAMPLE DATE

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation			ft msl
pH			pH
Sp. conductance			µS/cm
Water temperature			°C
Alkalinity as CaCO ₃			mg/L
Turbidity			NTU
Volumes purged			Well vol
Sampling code			

Notes: Radionuclide results in italics are less than sample quantitation limit.
 ● = exceeded holding time.
 ■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGX 1A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76831.9 E58590.4	33.291300 °N 81.661764 °W	124.1-114.1 ft msl	291.2 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE 12/21/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		158.0	ft msl
pH			
Sp. conductance			
Water temperature			
Alkalinity as CaCO3			
Turbidity			
Volumes purged		0.52	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								410,000	//					1	WA	µg/L
Aluminum, total recoverable								1,300	J/K/L	NDD				1	WA	µg/L
Antimony, total recoverable								<27	JU/L/L	<27				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								370	//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								4.2E+02	R//4					1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA	µg/L
Chromium, total recoverable								4.7	J/N	NDD				1	WA	µg/L
Copper, total recoverable								<3.6	U/N/	<15				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								3.5E+00	J//	NDD				1	TM	pCi/L
Iron, total recoverable								45	J//	NDD				1	WA	µg/L
Lead, total recoverable								8.7	J//	NDD				1	WA	µg/L
Lithium, total recoverable								200	//					1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								<26	U//	<26				1	WA	µg/L
Nonvolatile beta								5.3E+00	J//	NDD				1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								3.3E+00	//					1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Strontium-90								1.7E+00	J//	NDD				1	TM	pCi/L
Sulfate								6,700	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								400,000	J/Q/	NDD				1	WA	µg/L
Total organic carbon								2,000	//					1	WA	µg/L
Total organic halogens								16	J//	NDD				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								4.6	J//	NDD				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
Tritium								4.1E+02	//					1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								5.6	J//	NDD				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGX 1C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76820.0 E58599.8	33.291289 °N 81.661716 °W	186.0-176.0 ft msl	291.3 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE 12/10/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		215.9	ft msl
pH		7.4	pH
Sp. conductance		1500	µS/cm
Water temperature		20.6	°C
Alkalinity as CaCO3		367	mg/L
Turbidity		7.7	NTU
Volumes purged		0.19	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO3)								380,000							
Aluminum, total recoverable								440	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								210	N//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								3.4E+02	R//4	NDD				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								8.1	//					1	WA µg/L
Copper, total recoverable								2.2	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<1.2	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								2.9E+00	J//	NDD				1	TM pCi/L
Iron, total recoverable								110	J/KV//	NDD				1	WA µg/L
Lead, total recoverable								11	J//	NDD				1	WA µg/L
Lithium, total recoverable								51	//					1	WA µg/L
Mercury, total recoverable								<2.0	U//	<2.0				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								<1.8E+00	U//	<1.8E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								2.0E+00	J//	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								1.2E+00	J//	NDD				1	TM pCi/L
Sulfate								850	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								350,000	J/Q//	NDD				1	WA µg/L
Total organic carbon								190	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								2.3	J//	NDD				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								6.2E+02	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								<53	U//	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGX 1D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76809.5 E58608.6	33.291280 °N 81.661673 °W	234.7-214.7 ft msl	291.3 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 11/19/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		229.5	ft msl
pH		5.9	pH
Sp. conductance		65	µS/cm
Water temperature		21.7	°C
Alkalinity as CaCO3		21	mg/L
Turbidity		6	NTU
Volumes purged		0.21	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								22,000	//					1	WA µg/L
Aluminum, total recoverable								43	J//	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								25	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromofom								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								4.9E+03	R//4					1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								<4.4	U//	<7.0				1	WA µg/L
Copper, total recoverable								2.7	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								2.8E+00	J//	NDD				1	TM pCi/L
Iron, total recoverable								160	N//					1	WA µg/L
Lead, total recoverable								14	J//	NDD				1	WA µg/L
Lithium, total recoverable								32	N//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								5.4E+00	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<3.0E-01	U//	<6.9E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								2.0E+00	J//	NDD				1	TM pCi/L
Sulfate								1,100	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								22,000	J//Q/	NDD				1	WA µg/L
Total organic carbon								930	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								1.1	J//	NDD				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								8.5E+03	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								14	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGX 2B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N77203.4 E58256.5	33.291577 °N 81.663365 °W	147.2-137.2 ft msl	291.3 ft msl	4" PVC	S	McBean (IIB ₁)

SAMPLE DATE 11/02/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		213.6	ft msl
pH		7.1	pH
Sp. conductance		195	µS/cm
Water temperature		21.4	°C
Alkalinity as CaCO ₃		108	mg/L
Turbidity		4	NTU
Volumes purged		0.040	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								110,000	//					1	WA	µg/L
Aluminum, total recoverable								210	//					1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								64	//					1	WA	µg/L
Benzene								<0.97	U//	<5.0				1	WA	µg/L
Boron, total recoverable								61	J//	NDD				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								<6.4E+02	U//	<8.7E+02				1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA	µg/L
Chromium, total recoverable								6.2	J//	NDD				1	WA	µg/L
Copper, total recoverable								2.5	J//	NDD				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<7.0	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								1.1E+00	J//	NDD				1	TM	pCi/L
Iron, total recoverable								160	//					1	WA	µg/L
Lead, total recoverable								5.1	J//	NDD				1	WA	µg/L
Lithium, total recoverable								3.3	//					1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								3.6	J//	NDD				1	WA	µg/L
Nonvolatile beta								<5.0E-01	U//	<1.7E+00				1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								4.6E-01	J//	NDD				1	TM	pCi/L
Selenium, total recoverable								11	J//	NDD				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Strontium-90								<-1.3E-01	U//	<1.3E+00				1	TM	pCi/L
Sulfate								6,300	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								150,000	J/Q/	NDD				1	WA	µg/L
Total organic carbon								680	J//	NDD				1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
Trilium								2.3E+00	//					1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								28	J//	NDD				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGX 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N77192.4 E58265.6	33.291567 °N 81.663320 °W	191.1-181.1 ft msl	291.1 ft msl	4" PVC	S	Barnwell (IIB1)

SAMPLE DATE 12/10/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		215.4	ft msl
pH		8.0	pH
Sp. conductance		30	µS/cm
Water temperature		20.1	°C
Alkalinity as CaCO3		4	mg/L
Turbidity		12.4	NTU
Volumes purged		0.22	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								<3,400							
Aluminum, total recoverable								220	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								9.9	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								2.4E+02	R//4	NDD				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								3.6	J//	NDD				1	WA µg/L
Copper, total recoverable								38	//					1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<2.3	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								<1.9E-01	U//	<1.0E+00				1	TM pCi/L
Iron, total recoverable								410	//					1	WA µg/L
Lead, total recoverable								18	J//	NDD				1	WA µg/L
Lithium, total recoverable								5.8	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								2.8	J//	NDD				1	WA µg/L
Nonvolatile beta								<2.8E-01	U//	<1.4E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<1.0E-01	U//	<1.3E+00				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<-1.9E-01	U//	<1.4E+00				1	TM pCi/L
Sulfate								420	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								1.4	J//	NDD				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								25,000	J//	NDD				1	WA µg/L
Total organic carbon								1,400	//					1	WA µg/L
Total organic halogens								22	J//	NDD				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								18	//					1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								1.6E+02	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								68	//					1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGX 3D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N77577.0 E57780.1	33.291626 °N 81.665346 °W	221.6-201.6 ft msl	291.2 ft msl	4" PVC	S	Barnwell (IIB ₁)

SAMPLE DATE 11/02/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		216.0	ft msl
pH		5.7	pH
Sp. conductance		25	µS/cm
Water temperature		20.9	°C
Alkalinity as CaCO ₃		7	mg/L
Turbidity		3	NTU
Volumes purged		2.8	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								4,500	J/N	NDD				1	WA µg/L
Aluminum, total recoverable								60	J/N	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								14	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								32	J/N	NDD				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<5.0E+02	U//	<9.3E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								1.2	J/N	NDD				1	WA µg/L
Copper, total recoverable								36	//					1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.3	U/N	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								<3.1E-01	U//	<8.7E-01				1	TM pCi/L
Iron, total recoverable								85	//					1	WA µg/L
Lead, total recoverable								9.8	J/N	NDD				1	WA µg/L
Lithium, total recoverable								3.9	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								<2.6E-01	U//	<1.4E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								3.6E-01	J/N	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<-1.9E-01	U//	<1.2E+00				1	TM pCi/L
Sulfate								340	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								16,000	J/Q	NDD				1	WA µg/L
Total organic carbon								1,000	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								1.9E+02	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								49	J/N	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGX 4A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N77879.2 E57215.6	33.291373 °N 81.667419 °W	116.8-106.8 ft msl	290.9 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE 12/11/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		155.2	ft msl
pH		7.1	pH
Sp. conductance		260	µS/cm
Water temperature		17.7	°C
Alkalinity as CaCO3		110	mg/L
Turbidity		0.8	NTU
Volumes purged		2.8	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								120,000							
Aluminum, total recoverable								<150	U//	<150				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								67	N//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								30	J//	NDD				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<-1.1E+01	U//	<1.7E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								10	//					1	WA µg/L
Copper, total recoverable								4.6	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<2.5	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								1.5E+00	J//	NDD				1	TM pCi/L
Iron, total recoverable								160	J/KV//	NDD				1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								11	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								1.8E+00	J//	NDD				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<1.5E+00	U//	<2.5E+00				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<1.5E-01	U//	<1.6E+00				1	TM pCi/L
Sulfate								9,100	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								170,000	J/Q//	NDD				1	WA µg/L
Total organic carbon								750	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								6.4E-01	J//	NDD				1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								<53	U//	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGX 4C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N77886.2 E57202.2	33.291367 °N 81.667468 °W	180.7-170.7 ft msl	290.8 ft msl	4" PVC	S	McBean (IIB ₁)

SAMPLE DATE 11/09/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		217.5	ft msl
pH		5.3	pH
Sp. conductance		46	µS/cm
Water temperature		19.9	°C
Alkalinity as CaCO ₃		9	mg/L
Turbidity		3	NTU
Volumes purged		4.8	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								15,000	//					1	WA µg/L
Aluminum, total recoverable								20	J/K/I	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								6.5	//					1	WA µg/L
Benzene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Bromoform								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Bromomethane (Methyl bromide)								<1.4	JU/QV/	<10	●			1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon-14								<-2.3E+01							TM pCi/L
Carbon tetrachloride								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Chlorobenzene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Chloroethane								<10	JU/Q/	<10	●			1	WA µg/L
Chloroethene (Vinyl chloride)								<10	JU/Q/	<10	●			1	WA µg/L
2-Chloroethyl vinyl ether								<10	JU/Q/	<10	●			1	WA µg/L
Chloroform								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Chloromethane (Methyl chloride)								<10	JU/Q/	<10	●			1	WA µg/L
Chromium, total recoverable								0.95	J//	NDD				1	WA µg/L
Copper, total recoverable								4.8	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
1,1-Dichloroethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
1,2-Dichloroethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
1,1-Dichloroethylene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Dichloromethane								<3.2	JU/QV/	<5.0	●			1	WA µg/L
1,2-Dichloropropane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
cis-1,3-Dichloropropene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
trans-1,3-Dichloropropene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Ethylbenzene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Gross alpha								<6.8E-01	U//					1	TM pCi/L
Iron, total recoverable								27	J/K/I	NDD				1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								<0.68	U/V/	<2.7				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								<2.4E-01	U//					1	TM pCi/L
Phenols								<37	JU/Q/	<37	●			1	WA µg/L
Radium, total alpha-emitting								<5.0E-02	U//	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<0.0E+00	U//					1	TM pCi/L
Sulfate								650	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Tetrachloroethylene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Total dissolved solids								37,000	J/K/I	NDD				1	WA µg/L
Total organic carbon								180	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
1,1,2-Trichloroethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Trichloroethylene								2.7	J/K/I	NDD	●			1	WA µg/L
Trichlorofluoromethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Tritium								5.9E+00	//					1	TM pCi/mL
Xylenes								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Zinc, total recoverable								11	J/K/I	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGX 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N77893.9 E57186.2	33.291358 °N 81.667525 °W	223.8-203.8 ft msl	290.9 ft msl	4" PVC	S	Bamwell (IIB ₁)

SAMPLE DATE 11/03/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		217.0	ft msl
pH		5.3	pH
Sp. conductance		38	µS/cm
Water temperature		21.1	°C
Alkalinity as CaCO ₃		4	mg/L
Turbidity		1	NTU
Volumes purged		3.2	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								6,200	J//	NDD				1	WA µg/L
Aluminum, total recoverable								<47	U//	<150				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								18	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<1.5	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								2.1E+03	R//4	NDD				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<5.3	U//	<10				1	WA µg/L
Chromium, total recoverable								5.3	J//	NDD				1	WA µg/L
Copper, total recoverable								11	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.3	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								1.1E+00	J//	NDD				1	TM pCi/L
Iron, total recoverable								110	//					1	WA µg/L
Lead, total recoverable								14	J//	NDD				1	WA µg/L
Lithium, total recoverable								6.3	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								5.1	J//	NDD				1	WA µg/L
Nonvolatile beta								4.0E+00	J//	NDD				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<3.7E-01	U//	<8.1E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<-3.0E-02	U//	<1.4E+00				1	TM pCi/L
Sulfate								300	J//	NDD				1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								23,000	J//	NDD				1	WA µg/L
Total organic carbon								910	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								1.2	J//	NDD				1	WA µg/L
Tritium								6.5E+01	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								15	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGX 5D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N78402.0 E57308.6	33.292681 °N 81.668190 °W	215.0-195.0 ft msl	285 ft msl	4" PVC	S	Barnwell (IIB ₁)

SAMPLE DATE 11/03/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		210.5	ft msl
pH		4.7	pH
Sp. conductance		45	µS/cm
Water temperature		20.9	°C
Alkalinity as CaCO ₃		1	mg/L
Turbidity		2	NTU
Volumes purged		2.8	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								1,600	J/N	NDD				1	WA µg/L
Aluminum, total recoverable								<140	U/N	<150				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								25	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								48	J/N	NDD				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								2.4E+03	R//4					1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								0.99	J/N	NDD				1	WA µg/L
Copper, total recoverable								3.2	J/N	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.5	U/N	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								3.7E+00	//					1	TM pCi/L
Iron, total recoverable								190	N					1	WA µg/L
Lead, total recoverable								16	J/N	NDD				1	WA µg/L
Lithium, total recoverable								4.5	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								6.2	J/N	NDD				1	WA µg/L
Nonvolatile beta								6.9E+00	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								3.5E+00	//					1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<3.5E-01	U//	<1.6E+00				1	TM pCi/L
Sulfate								7,900	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								24,000	J/Q	NDD				1	WA µg/L
Total organic carbon								1,200	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								3.0	J/N	NDD				1	WA µg/L
Tritium								2.1E+02	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								7.9	J/N	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGX 6D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N78740.1 E57524.9	33.293782 °N 81.668277 °W	211.0-191.0 ft msl	277 ft msl	4" PVC	S	Bamwell (IIB ₁)

SAMPLE DATE 11/09/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		207.2	ft msl
pH		5.8	pH
Sp. conductance		61	µS/cm
Water temperature		19.4	°C
Alkalinity as CaCO ₃		11	mg/L
Turbidity		2	NTU
Volumes purged		4.1	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								18,000	//					1	WA µg/L
Aluminum, total recoverable								25	J/K/L	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								31	N//					1	WA µg/L
Benzene								<5.0	JU/Q/	<5.0				1	WA µg/L
Boron, total recoverable								28	J//	NDD				1	WA µg/L
Bromodichloromethane								<5.0	JU/Q/	<5.0				1	WA µg/L
Bromoform								<5.0	JU/Q/	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<1.0	JU/QV/	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon-14								<8.1+01	U//					TM	pCi/L
Carbon tetrachloride								<5.0	JU/Q/	<5.0				1	WA µg/L
Chlorobenzene								<5.0	JU/Q/	<5.0				1	WA µg/L
Chloroethane								<10	JU/Q/	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	JU/Q/	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	JU/Q/	<10				1	WA µg/L
Chloroform								<5.0	JU/Q/	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	JU/Q/	<10				1	WA µg/L
Chromium, total recoverable								1.2	J//	NDD				1	WA µg/L
Copper, total recoverable								5.8	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	JU/Q/	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	JU/Q/	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	JU/Q/	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	JU/Q/	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	JU/Q/	<5.0				1	WA µg/L
Dichloromethane								<2.8	JU/QV/	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	JU/Q/	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	JU/Q/	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	JU/Q/	<5.0				1	WA µg/L
Ethylbenzene								<5.0	JU/Q/	<5.0				1	WA µg/L
Iron, total recoverable								88	J/K/L	NDD				1	WA µg/L
Gross alpha								3.2E-01	U//					1	TM pCi/L
Lead, total recoverable								6.8	J//	NDD				1	WA µg/L
Lithium, total recoverable								3.3	N//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								3.0	J//	NDD				1	WA µg/L
Nonvolatile beta								<8.3E-01	U//					1	TM pCi/L
Phenols								<37	JU/Q/	<37				1	WA µg/L
Radium, total alpha-emitting								<2.1E-01	U//	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<5.0E-02	U//					1	TM pCi/L
Sulfate								2,700	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	JU/Q/	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	JU/Q/	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	JU/Q/	<5.0				1	WA µg/L
Total dissolved solids								44,000	J//	NDD				1	WA µg/L
Total organic carbon								620	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	JU/Q/	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	JU/Q/	<5.0				1	WA µg/L
Trichloroethylene								<5.0	JU/Q/	<5.0				1	WA µg/L
Trichlorofluoromethane								<1.3	JU/QV/	<5.0				1	WA µg/L
Tritium								8.4+01	//					1	TM pCi/mL
Xylenes								<5.0	JU/Q/	<5.0				1	WA µg/L
Zinc, total recoverable								22	J/K/L	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGX 7D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N78349.3 E58312.8	33.294203 °N 81.665443 °W	214.1-194.1 ft msl	279.2 ft msl	4" PVC	S	Bamwell (IIb ₁)

SAMPLE DATE 11/03/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		206.8	ft msl
pH		4.4	pH
Sp. conductance		50	µS/cm
Water temperature		20.0	°C
Alkalinity as CaCO ₃		0	mg/L
Turbidity		1	NTU
Volumes purged		15	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								690	J//	NDD			1	WA	µg/L
Aluminum, total recoverable								<50	U//	<150			1	WA	µg/L
Antimony, total recoverable								<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40			1	WA	µg/L
Barium, total recoverable								7.5	//				1	WA	µg/L
Benzene								<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable								<270	U//	<270			1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0			1	WA	µg/L
Bromofom								<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)								<1.2	U//	<10			1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0			1	WA	µg/L
Carbon-14								3.3E+03	R//4				1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0			1	WA	µg/L
Chloroethane								<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10			1	WA	µg/L
Chloroform								<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10			1	WA	µg/L
Chromium, total recoverable								<7.0	U//	<7.0			1	WA	µg/L
Copper, total recoverable								1.6	J//	NDD			1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane								<5.4	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0			1	WA	µg/L
Gross alpha								1.7E+00	J//	NDD			1	TM	pCi/L
Iron, total recoverable								<21	U//	<74			1	WA	µg/L
Lead, total recoverable								<47	U//	<47			1	WA	µg/L
Lithium, total recoverable								2.4	J//	NDD			1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable								<26	U//	<26			1	WA	µg/L
Nonvolatile beta								2.8E+00	J//	NDD			1	TM	pCi/L
Phenols								<37	U//	<37			1	WA	µg/L
Radium, total alpha-emitting								1.2E+00	J//	NDD			1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66			1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0			1	WA	µg/L
Strontium-90								<6.0E-02	U//	<1.4E+00			1	TM	pCi/L
Sulfate								510	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable								<70	U//	<70			1	WA	µg/L
Toluene								<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids								8,000	J//Q/	NDD			1	WA	µg/L
Total organic carbon								630	J//	NDD			1	WA	µg/L
Total organic halogens								<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0			1	WA	µg/L
Tritium								5.5E+02	//				1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable								21	J//	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
 ● = exceeded holding time.
 ■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGX 8DR

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N77589.6 E58942.5	33.293550 °N 81.662309 °W	203.1-183.1 ft msl	278.2 ft msl	4" PVC	S	Barnwell (IB1)

SAMPLE DATE 12/07/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		205.5	ft msl
pH		5.9	pH
Sp. conductance		35	µS/cm
Water temperature		18.9	°C
Alkalinity as CaCO3		19	mg/L
Turbidity		4.0	NTU
Volumes purged		2.4	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								<13,000							
Aluminum, total recoverable								110	J/I	NDD			1	WA	µg/L
Antimony, total recoverable								<27	U/I	<27			1	WA	µg/L
Arsenic, total recoverable								<40	U/I	<40			1	WA	µg/L
Barium, total recoverable								150	//				1	WA	µg/L
Benzene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Boron, total recoverable								<270	U/I	<270			1	WA	µg/L
Bromodichloromethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Bromoform								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Bromomethane (Methyl bromide)								<10	JU/Q/	<10		●	1	WA	µg/L
Cadmium, total recoverable								<4.7	U/I	<4.7			1	WA	µg/L
Carbon tetrachloride								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Carbon-14								2.7E+03	R/I4				1	TM	pCi/L
Chlorobenzene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Chloroethane								<10	JU/Q/	<10		●	1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	JU/Q/	<10		●	1	WA	µg/L
2-Chloroethyl vinyl ether								<10	JU/Q/	<10		●	1	WA	µg/L
Chloroform								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Chloromethane (Methyl chloride)								<10	JU/Q/	<10		●	1	WA	µg/L
Chromium, total recoverable								3.1	J/I	NDD			1	WA	µg/L
Copper, total recoverable								2.3	J/I	NDD			1	WA	µg/L
Dibromochloromethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
1,1-Dichloroethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
1,2-Dichloroethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
1,1-Dichloroethylene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Dichloromethane								<2.4	JU/QV/	<5.0		●	1	WA	µg/L
1,2-Dichloropropane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Ethylbenzene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Gross alpha								2.7E+00	//				1	TM	pCi/L
Iron, total recoverable								110	//				1	WA	µg/L
Lead, total recoverable								31	J/I	NDD			1	WA	µg/L
Lithium, total recoverable								3.3	//				1	WA	µg/L
Mercury, total recoverable								<0.70	U/I	<0.70			1	WA	µg/L
Nickel, total recoverable								4.2	J/I	NDD			1	WA	µg/L
Nonvolatile beta								2.1E+00	J/I	NDD			1	TM	pCi/L
Phenols								<37	U/I	<37			1	WA	µg/L
Radium, total alpha-emitting								<6.6E-01	U/I	<1.2E+00			1	TM	pCi/L
Selenium, total recoverable								<66	U/I				1	WA	µg/L
Silver, total recoverable								<5.0	U/I	<5.0			1	WA	µg/L
Strontium-90								<8.4E-01	U/I	<1.6E+00			1	TM	pCi/L
Sulfate								460	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Tetrachloroethylene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Tin, total recoverable								<70	U/I	<70			1	WA	µg/L
Toluene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Total dissolved solids								30,000	J/I/Q/	NDD		●	1	WA	µg/L
Total organic carbon								920	J/I	NDD			1	WA	µg/L
Total organic halogens								<120	U/I	<120			1	WA	µg/L
1,1,1-Trichloroethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
1,1,2-Trichloroethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Trichloroethylene								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Trichlorofluoromethane								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Tritium								3.6E+03	//			■	1	TM	pCi/mL
Xylenes								<5.0	JU/Q/	<5.0		●	1	WA	µg/L
Zinc, total recoverable								16	J/I	NDD			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGX 9D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76936.0 E59522.1	33.293050 °N 81.659513 °W	232.4-212.4 ft msl	279.4 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 11/10/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		227.1	ft msl
pH		4.5	pH
Sp. conductance		25	µS/cm
Water temperature		19.8	°C
Alkalinity as CaCO ₃		0	mg/L
Turbidity		1	NTU
Volumes purged		9.0	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								<13,000	U//	<130				1	WA µg/L
Aluminum, total recoverable								69	J//	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								6.2	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<6.8E+01	U//	<1.7E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<1.8	U//	<1.0				1	WA µg/L
Chromium, total recoverable								<7.0	U//	<7.0				1	WA µg/L
Copper, total recoverable								2.3	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<4.5	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								5.7E+00	//					1	TM pCi/L
Iron, total recoverable								75	//					1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								0.70	J//	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								4.9E+00	//					1	TM pCi/L
Phenols								<37	JU/Q/	<37				1	WA µg/L
Radium, total alpha-emitting								9.9E-01	J//	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								1.2E+00	J//	NDD				1	TM pCi/L
Sulfate								440	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								1.1	J//	NDD				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								31,000	J//Q/	NDD				1	WA µg/L
Total organic carbon								1,100	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								9.6E+00	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								<53	U//	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGX 10D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76183.3 E59765.5	33.291783 °N 81.657410 °W	236.2-216.2 ft msl	276.9 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 12/08/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		225.8	ft msl
pH		5.4	pH
Sp. conductance		25	µS/cm
Water temperature		22.5	°C
Alkalinity as CaCO ₃		3	mg/L
Turbidity		12.8	NTU
Volumes purged		0.63	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								1,600							
Aluminum, total recoverable								170	//				1	WA	µg/L
Antimony, total recoverable								<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40			1	WA	µg/L
Barium, total recoverable								16	//				1	WA	µg/L
Benzene								<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable								<270	U//	<270			1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0			1	WA	µg/L
Bromoform								<5.0	U//	<5.0			1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0			1	WA	µg/L
Carbon-14								2.3E+02	R//4	NDD			1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0			1	WA	µg/L
Chloroethane								<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10			1	WA	µg/L
Chloroform								<5.0	U//	<5.0			1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10			1	WA	µg/L
Chromium, total recoverable								3.8	J//N	NDD			1	WA	µg/L
Copper, total recoverable								23	//				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane								<1.0	U//N	<5.0			1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0			1	WA	µg/L
Gross alpha								2.8E+00	J//N	NDD			1	TM	pCi/L
Iron, total recoverable								500	N//				1	WA	µg/L
Lead, total recoverable								27	J//N	NDD			1	WA	µg/L
Lithium, total recoverable								0.58	J//N	NDD			1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable								4.4	J//N	NDD			1	WA	µg/L
Nonvolatile beta								3.4E+00	J//N	NDD			1	TM	pCi/L
Phenols								<37	U//	<37			1	WA	µg/L
Radium, total alpha-emitting								<4.2E-01	U//	<1.2E+00			1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66			1	WA	µg/L
Silver, total recoverable								0.53	J//N	NDD			1	WA	µg/L
Strontium-90								<0.0E+00	U//	<1.5E+00			1	TM	pCi/L
Sulfate								320	J//N	NDD			1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable								<70	U//	<70			1	WA	µg/L
Toluene								<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids								9,000	J//Q/	NDD			1	WA	µg/L
Total organic carbon								1,000	//				1	WA	µg/L
Total organic halogens								<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0			1	WA	µg/L
Tritium								7.5E+00	//				1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable								62	//				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGX 11D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75300.7 E59581.4	33.289530 °N 81.656180 °W	236.7-216.7 ft msl	276.3 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 11/04/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		236.1	ft msl
pH		4.4	pH
Sp. conductance		36	µS/cm
Water temperature		21.9	°C
Alkalinity as CaCO3		0	mg/L
Turbidity		30	NTU
Volumes purged		0.079	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								5,900	J/N	NDD				1	WA µg/L
Aluminum, total recoverable								390	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								24	N/					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<2.0E+02	U//	<8.3E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								14	//					1	WA µg/L
Copper, total recoverable								8.1	J/N	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<4.1	U/N/	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								1.1E+01	//					1	TM pCi/L
Iron, total recoverable								1,900	N/					1	WA µg/L
Lead, total recoverable								14	J/N	NDD				1	WA µg/L
Lithium, total recoverable								4.4	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								9.2	J/N	NDD				1	WA µg/L
Nonvolatile beta								7.4E+00	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								1.7E+00	//					1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<2.1	U/N/	<5.0				1	WA µg/L
Strontium-90								<4.6E-01	U//	<1.1E+00				1	TM pCi/L
Sulfate								280	J/N	NDD				1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								17,000	J/Q/	NDD				1	WA µg/L
Total organic carbon								1,400	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								1.8E+01	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								<48	U/N/	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent 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>Pump</u>	<u>Screen Zone</u>
N74427.9 E59675.3	33.287753 °N 81.654237 °W	184.1-174.1 ft msl	275.1 ft msl	4" PVC	S	Bamwell (IIB ₁)

SAMPLE DATE 11/03/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		235.3	ft msl
pH		4.7	pH
Sp. conductance		22	µS/cm
Water temperature		20.8	°C
Alkalinity as CaCO ₃		0	mg/L
Turbidity		3	NTU
Volumes purged		2.7	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								6,100	J/N	NDD				1	WA µg/L
Aluminum, total recoverable								47	J/N	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								12	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<1.2	U/N//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								2.6E+03	R//4					1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								2.5	J//	NDD				1	WA µg/L
Copper, total recoverable								3.1	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.0	U/N//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								8.6E-01	J//	NDD				1	TM pCi/L
Iron, total recoverable								<74	U/N//	<74				1	WA µg/L
Lead, total recoverable								5.6	J//	NDD				1	WA µg/L
Lithium, total recoverable								4.3	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//					1	WA µg/L
Nonvolatile beta								<1.3E+00	U//	<1.7E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<1.0E-01	U//	<6.8E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<3.0E-02	U//	<1.4E+00				1	TM pCi/L
Sulfate								750	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								17,000	J//Q/	NDD				1	WA µg/L
Total organic carbon								550	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								<6.0E-02	U//	<7.0E-01				1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								7.8	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGX 12D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74410.9 E59674.3	33.287714 °N 81.654207 °W	243.7-223.7 ft msl	275.2 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 11/04/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		239.1	ft msl
pH		4.6	pH
Sp. conductance		26	µS/cm
Water temperature		19.7	°C
Alkalinity as CaCO ₃		0	mg/L
Turbidity		91	NTU
Volumes purged		0.20	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								3,100	J//	NDD				1	WA µg/L
Aluminum, total recoverable								440	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								26	N//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<7.6E+02	U//	<8.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								7.4	//					1	WA µg/L
Copper, total recoverable								21	//					1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<4.5	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								3.2E+00	J//	NDD				1	TM pCi/L
Lead, total recoverable								19	J//	NDD				1	WA µg/L
Lithium, total recoverable								3.0	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								4.9	J//	NDD				1	WA µg/L
Nonvolatile beta								2.3E+00	J//	NDD				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								8.4E-01	J//	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<-1.0E+00	JU//	<1.4E+00				1	TM pCi/L
Sulfate								1,300	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								<50,000	JU/Q/	<500				1	WA µg/L
Total organic carbon								1,000	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								1.2E+01	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								67	N//					1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
 ● = exceeded holding time.
 ■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 1C113

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73215.9 E57147.62	°N °W	171.6-174.1 ft msl	NA	NC	double valve	Bamwell (IIB ₁)

SAMPLE DATE 12/10/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		217.88	ft msl
pH		6.1	pH
Sp. conductance		56	µS/cm
Water temperature		16.1	°C
Alkalinity as CaCO ₃		8	mg/L
Turbidity		4	NTU
Volumes purged		.09	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								12,000	J//	NDD				1	WA	µg/L
Aluminum, total recoverable								110	J//	NDD				1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								55	N//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								3.6E+02	R//4	NDD				1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								1.9	J//	NDD				1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA	µg/L
Chromium, total recoverable								1.1	J//	NDD				1	WA	µg/L
Copper, total recoverable								2.1	J//	NDD				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								1.2	J//	NDD				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<2.9	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								<4.2E-01	U//	<8.2E-01				1	TM	pCi/L
Iron, total recoverable								120	J/KV//	NDD				1	WA	µg/L
Lead, total recoverable								<47	U//	<47				1	WA	µg/L
Lithium, total recoverable								20	//					1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								<26	U//	<26				1	WA	µg/L
Nonvolatile beta								2.6E+00	J//	NDD				1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								<2.6E-01	U//	<1.3E+00				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Strontium-90								<4.3E-01	U//	<1.4E+00				1	TM	pCi/L
Sulfate								7,500	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								26,000	J//Q/	NDD				1	WA	µg/L
Total organic carbon								<1,000	U//	<1,000				1	WA	µg/L
Total organic halogens								24	J//	NDD				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								18	//					1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
Tritium								5.4E-01	//					1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								36	J//	NDD				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 1C132

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73215.9 E57147.62	°N °W	153.3-155.53ft msl	NA	NC	double valve	Barnwell (IIB1)

SAMPLE DATE 12/10/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation			ft msl
pH		6.3	pH
Sp. conductance		71	µS/cm
Water temperature		15.9	°C
Alkalinity as CaCO3		14	mg/L
Turbidity		43	NTU
Volumes purged			Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								22,000	//					1	WA µg/L
Aluminum, total recoverable								1,600	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								190	N//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								2.3E+02	R//4	NDD				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								1.6	J//	NDD				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								2.8	J//	NDD				1	WA µg/L
Copper, total recoverable								6.6	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								0.97	J//	NDD				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<2.8	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								3.1E+00	J//	NDD				1	TM pCi/L
Iron, total recoverable								1,400	J//KV//	NDD				1	WA µg/L
Lead, total recoverable								4.8	J//	NDD				1	WA µg/L
Lithium, total recoverable								25	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								3.1E+00	J//	NDD				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<6.1E-01	U//	<1.7E+00				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<1.2E+00	U//	<1.3E+00				1	TM pCi/L
Sulfate								7,700	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								130,000	J//Q//	NDD				1	WA µg/L
Total organic carbon								810	J//	NDD				1	WA µg/L
Total organic halogens								22	J//	NDD				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								14	//					1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								4.1E-01	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								270	//					1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 1C144

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73215.9 E57147.62	°N °W	140.49-142.99ft msl	NA	PVC	double valve	Barnwell (IIB1)

SAMPLE DATE 12/10/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation			ft msl
pH		5.9	pH
Sp. conductance		72	µS/cm
Water temperature		14.3	°C
Alkalinity as CaCO ₃		22	mg/L
Turbidity		3	NTU
Volumes purged			Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								21,000	//					1	WA	µg/L
Aluminum, total recoverable								200	//					1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								85	N//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								4.1E+02	R//4					1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								1.7	J//	NDD				1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA	µg/L
Chromium, total recoverable								0.89	J//	NDD				1	WA	µg/L
Copper, total recoverable								<15	U//	<15				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								1.0	J//	NDD				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<3.0	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								2.3E+00	J//	NDD				1	TM	pCi/L
Iron, total recoverable								250	J//	NDD				1	WA	µg/L
Lead, total recoverable								6.3	J//	NDD				1	WA	µg/L
Lithium, total recoverable								32	//					1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								<26	U//	<26				1	WA	µg/L
Nonvolatile beta								2.4E+00	J//	NDD				1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								<4.9E-01	U//	<1.4E+00				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Strontium-90								<6.5E-01	U//	<1.2E+00				1	TM	pCi/L
Sulfate								7,100	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								38,000	J//Q/	NDD				1	WA	µg/L
Total organic carbon								640	J//	NDD				1	WA	µg/L
Total organic halogens								21	J//	NDD				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								13	//					1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
Tritium								3.8E-01	//					1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								430	//					1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 1C159

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73215.9 E57147.62	°N °W	125.45-127.95ft msl	NA	PVC	double valve	Bamwell (IIB1)

SAMPLE DATE 12/10/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		218.05	ft msl
pH		5.9	pH
Sp. conductance		73	µS/cm
Water temperature		14.6	°C
Alkalinity as CaCO3		15	mg/L
Turbidity		3	NTU
Volumes purged		.05	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								27,000	//					1	WA µg/L
Aluminum, total recoverable								53	J//	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								80	N//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								2.9E+02	R//4	NDD				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								1.4	J//	NDD				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								0.97	J//	NDD				1	WA µg/L
Copper, total recoverable								2.7	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<2.8	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								1.2E+00	J//	NDD				1	TM pCi/L
Iron, total recoverable								430	J/KV//	NDD				1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								34	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								2.9E+00	J//	NDD				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								3.7E+00	J//	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<2.4E-01	U//	<1.5E+00				1	TM pCi/L
Sulfate								5,000	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								30,000	J//Q//	NDD				1	WA µg/L
Total organic carbon								1,800	//					1	WA µg/L
Total organic halogens								17	J//	NDD				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								7.6	//					1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								4.3E-01	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								240	//					1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 1D059

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N73210.68 57156.08 E	°N °W	226.3-223.8 ft msl	NAI	PVC	double valve	Water Table (IIB2)

SAMPLE DATE

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation			ft msl
pH			pH
Sp. conductance			µS/cm
Water temperature			°C
Alkalinity as CaCO3			mg/L
Turbidity			NTU
Volumes purged			Well vol
Sampling code			

Notes: Radionuclide results in italics are less than sample quantitation limit.
 ● = exceeded holding time.
 ■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 1D071

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N73210.68 57156.08 E	°N °W	233.7-211.2 ft msl	NAI	PVC	double valve	Water Table (IIB2)

SAMPLE DATE

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation			ft msl
pH			pH
Sp. conductance			µS/cm
Water temperature			°C
Alkalinity as CaCO3			mg/L
Turbidity			NTU
Volumes purged			Well vol
Sampling code			

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 1D081

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73210.68 57156.08 E	°N °W	203.72-206.22 ft msl	NAI	PVC	double valve	Water Table (IIB2)

SAMPLE DATE 12/11/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation			ft msl
pH		4.6	pH
Sp. conductance		44	µS/cm
Water temperature		16.9	°C
Alkalinity as CaCO3		1	mg/L
Turbidity		1	NTU
Volumes purged			Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								<13,000	U//	<130				1	WA	µg/L
Aluminum, total recoverable								<150	U//	<150				1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								18	N//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								<4.7E+01	U//	<1.8E+02				1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA	µg/L
Chromium, total recoverable								<7.0	U//	<7.0				1	WA	µg/L
Copper, total recoverable								2.0	J//	NDD				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<3.1	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								1.0E+00	J//	NDD				1	TM	pCi/L
Iron, total recoverable								<24	U//	<74				1	WA	µg/L
Lead, total recoverable								<47	U//	<47				1	WA	µg/L
Lithium, total recoverable								<2.7	U//	<2.7				1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								<26	U//	<26				1	WA	µg/L
Nonvolatile beta								<1.2E+00	U//	<2.1E+00				1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								4.5E+00	J//	NDD				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Strontium-90								7.8E+00	//					1	TM	pCi/L
Sulfate								1,700	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								12,000	J//Q/	NDD				1	WA	µg/L
Total organic carbon								110	J//	NDD				1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
Tritium								1.7E-02	//					1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								<53	U//	<53				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 1D098

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N73212.3 57156.2 E	3682435.57 °N 438678.60 °W	186.16-188.66 ft msl	NAI	PVC	double valve	Water Table (IIB2)

SAMPLE DATE 12/11/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		233.84	ft msl
pH		4.4	pH
Sp. conductance		27	µS/cm
Water temperature		16.4	°C
Alkalinity as CaCO3		0	mg/L
Turbidity		1	NTU
Volumes purged		.09	Well vol
Sampling code			

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 2C108

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73295.54 E56895.19	°N °W	171.94-174.44 ft msl	NA	PVC	double valve	Barnwell (IIB ₁)

SAMPLE DATE 12/15/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		226.67	ft msl
pH		5.2	pH
Sp. conductance		28	µS/cm
Water temperature		16.6	°C
Alkalinity as CaCO ₃		1	mg/L
Turbidity		43	NTU
Volumes purged		.08	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								2,700	J/I/	NDD				1	WA µg/L
Aluminum, total recoverable								210	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								26	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<1.4E+01	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								1.2	J/I/	NDD				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								2.1	J/I/	NDD				1	WA µg/L
Copper, total recoverable								<15	U//	<15				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<1.1	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								2.8E+00	J/I/	NDD				1	TM pCi/L
Iron, total recoverable								270	J/KV/I	NDD				1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								0.72	J/I/	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								2.6E+00	J/I/	NDD				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<3.7E-01	U//	<9.5E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<-3.2E-01	U//	<1.5E+00				1	TM pCi/L
Sulfate								370	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								12,000	J/I/Q/	NDD				1	WA µg/L
Total organic carbon								190	J/I/	NDD				1	WA µg/L
Total organic halogens								19	J/I/	NDD				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								20	//					1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								1.9E+02	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								9.6	J/I/	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 2C127

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73295.54 E56895.19	°N °W	153.38-155.88 ft msl	NA	PVC	double valve	Barnwell (IIB ₁)

SAMPLE DATE 12/14/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation			ft msl
pH		6.6	pH
Sp. conductance		290	µS/cm
Water temperature		17.3	°C
Alkalinity as CaCO ₃		10	mg/L
Turbidity		422	NTU
Volumes purged			Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								30,000	//					1	WA µg/L
Aluminum, total recoverable								6,100	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								8.4	J//	NDD				1	WA µg/L
Barium, total recoverable								400	N//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromofom								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<-1.6E+02	U//	<1.9E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								12	//					1	WA µg/L
Copper, total recoverable								8.6	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								2.8E+01	//					1	TM pCi/L
Iron, total recoverable								11,000	J/KV//	NDD				1	WA µg/L
Lead, total recoverable								12	J//	NDD				1	WA µg/L
Lithium, total recoverable								8.6	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								14	J//	NDD				1	WA µg/L
Nonvolatile beta								1.8E+01	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								4.4E+00	//					1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<2.4E-01	U//	<1.4E+00				1	TM pCi/L
Sulfate								60,000	//					20	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								250,000	J/Q//	NDD				1	WA µg/L
Total organic carbon								610	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								9.7E-01	J//	NDD				1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								87	//					1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 2C139

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73295.54 E56895.19	°N °W	140.84-143.34 ft msl	NA	PVC	double valve	Barnwell (IIB ₁)

SAMPLE DATE 12/14/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation			ft msl
pH		7.0	pH
Sp. conductance		540	µS/cm
Water temperature		16.3	°C
Alkalinity as CaCO ₃		102	mg/L
Turbidity		222	NTU
Volumes purged			Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								62,000	//					1	WA	µg/L
Aluminum, total recoverable								1,700	//					1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								4.0	J//	NDD				1	WA	µg/L
Barium, total recoverable								100	//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								<8.8E+01	U//	<1.9E+02				1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA	µg/L
Chromium, total recoverable								4.2	J//	NDD				1	WA	µg/L
Copper, total recoverable								6.1	J//	NDD				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								1.1E+01	//					1	TM	pCi/L
Iron, total recoverable								3,000	J/KV//	NDD				1	WA	µg/L
Lead, total recoverable								6.1	J//	NDD				1	WA	µg/L
Lithium, total recoverable								11	//					1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								6.3	J//	NDD				1	WA	µg/L
Nonvolatile beta								6.9E+00	//					1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								1.4E+00	J//	NDD				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Strontium-90								<4.4E-01	U//	<1.5E+00				1	TM	pCi/L
Sulfate								140,000	//					20	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								320,000	J/Q/	NDD				1	WA	µg/L
Total organic carbon								3,100	//					1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								1.1	J//	NDD				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
Tritium								8.3E+00	//					1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								42	J//	NDD				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 2C154

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73295.54 E56895.19	°N °W	125.8-128.3 ft msl	NA	PVC	double valve	Barnwell (IIb ₁)

SAMPLE DATE 12/11/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		225.44	ft msl
pH		7.5	pH
Sp. conductance		510	µS/cm
Water temperature		17.2	°C
Alkalinity as CaCO ₃		108	mg/L
Turbidity		422	NTU
Volumes purged			Well vol
Sampling code		N	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								130,000	//					1	WA µg/L
Aluminum, total recoverable								4,100	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								6.2	J//	NDD				1	WA µg/L
Barium, total recoverable								210	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<-3.1E+01	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								8.0	//					1	WA µg/L
Copper, total recoverable								7.4	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<2.8	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								2.6E+01	//					1	TM pCi/L
Iron, total recoverable								6,700	J/KV//	NDD				1	WA µg/L
Lead, total recoverable								11	J//	NDD				1	WA µg/L
Lithium, total recoverable								6.8	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								6.9	J//	NDD				1	WA µg/L
Nonvolatile beta								1.6E+01	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<6.0E-02	U//	<1.5E+00				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<1.1E+00	U//	<1.4E+00				1	TM pCi/L
Sulfate								87,000	//					25	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								370,000	J/Q//	NDD				1	WA µg/L
Total organic carbon								730	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								1.5E-03	J//	NDD				1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								98	//					1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
 ● = exceeded holding time.
 ■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 2D055

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N73284.53 E56898.97	°N °W	279.7-286.5 ft msl	NA	PVC	double valve	Water Table (IIB2)

SAMPLE DATE

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation			ft msl
pH			pH
Sp. conductance			µS/cm
Water temperature			°C
Alkalinity as CaCO3			mg/L
Turbidity			NTU
Volumes purged			Well vol
Sampling code			

Notes: Radionuclide results in italics are less than sample quantitation limit.
 ● = exceeded holding time.
 ■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 2D067

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73284.53 E56898.97	°N °W	213.70-216.20 ft msl	NA	PVC	double valve	Water Table (IIB2)

SAMPLE DATE 12/16/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation			ft msl
pH		6.4	pH
Sp. conductance		130	µS/cm
Water temperature		17.1	°C
Alkalinity as CaCO3		4	mg/L
Turbidity		7	NTU
Volumes purged			Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								5,500	J//	NDD				1	WA µg/L
Aluminum, total recoverable								63	J//	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								4.2	N//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<3.6E+00	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								<7.0	U//	<7.0				1	WA µg/L
Copper, total recoverable								12	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								1.9E+00	J//	NDD				1	TM pCi/L
Iron, total recoverable								<66	U//	<74				1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								0.89	J//	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								<7.3E-01	U//	<1.8E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<4.0E-02	U//	<1.1E+00				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<4.2E-01	U//	<1.7E+00				1	TM pCi/L
Sulfate								16,000	//					4	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								43,000	J/Q/	NDD				1	WA µg/L
Total organic carbon								510	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								2.3E+01	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								<53	U//	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 2D077

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N73284.53 E56898.97	°N °W	203.68-206.18 ft msl	NA	PVC	double valve	Water Table (IIB2)

SAMPLE DATE 12/16/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation			ft msl
pH		5.4	pH
Sp. conductance		32	µS/cm
Water temperature		16.2	°C
Alkalinity as CaCO3		1	mg/L
Turbidity		1	NTU
Volumes purged			Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								<13,000	U//	<130				1	WA µg/L
Aluminum, total recoverable								28	J//	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								3.0	N//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<1.8E+01	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								<7.0	U//	<7.0				1	WA µg/L
Copper, total recoverable								<15	U//	<15				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								7.4E-01	J//	NDD				1	TM pCi/L
Iron, total recoverable								<15	U//	<74				1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								0.54	J//	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								<-1.0E-02	U//	<1.7E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<3.2E-01	U//	<1.2E+00				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<-4.2E-01	U//	<1.7E+00				1	TM pCi/L
Sulfate								1,200	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								8,000	J//Q/	NDD				1	WA µg/L
Total organic carbon								650	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								1.7E+01	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								5.6	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 2D094

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73284.53 E56898.97	°N °W	186.12-188.62 ft msl	NA	PVC	double valve	Water Table (IIB2)

SAMPLE DATE 12/16/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		227.91	ft msl
pH		5.3	pH
Sp. conductance		27	µS/cm
Water temperature		16.4	°C
Alkalinity as CaCO3		1	mg/L
Turbidity		1	NTU
Volumes purged		.10	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								<13,000	U//	<130				1	WA µg/L
Aluminum, total recoverable								26	J//	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								3.1	N//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<-8.5E+00	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								<7.0	U//	<7.0				1	WA µg/L
Copper, total recoverable								<15	U//	<15				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<1.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								7.3E-01	J//	NDD				1	TM pCi/L
Iron, total recoverable								<11	U//	<74				1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								0.53	J//	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								<1.5E-01	U//	<1.7E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<-5.0E-02	U//	<1.1E+00				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<0.58	U//	<5.0				1	WA µg/L
Strontium-90								<-7.2E-01	U//	<1.6E+00				1	TM pCi/L
Sulfate								820	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								<50,000	JU/Q/	<500				1	WA µg/L
Total organic carbon								660	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								2.0E+01	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								8.5	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 3C115

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N72692.06 E56979.42	°N °W	173.29-175.79 ft msl	NA	PVC	double valve	Barnwell (IIB ₁)

SAMPLE DATE 12/17/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		226.97	ft msl
pH		7.0	pH
Sp. conductance		1200	µS/cm
Water temperature		16.2	°C
Alkalinity as CaCO ₃		50	
Turbidity		1000	NTU
Volumes purged		.08	Well vol
Sampling code		N	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								120,000	//					1	WA µg/L
Aluminum, total recoverable								33,000	J/K/	NDD				1	WA µg/L
Antimony, total recoverable								<27	JU/L/	<27				1	WA µg/L
Arsenic, total recoverable								16	J//	NDD				1	WA µg/L
Barium, total recoverable								630	//					1	WA µg/L
Benzene								<5.0	JU/Q/	<5.0		●		1	WA µg/L
Boron, total recoverable								50	J//	NDD				1	WA µg/L
Bromodichloromethane								<5.0	JU/Q/	<5.0		●		1	WA µg/L
Bromoform								<5.0	JU/Q/	<5.0		●		1	WA µg/L
Bromomethane (Methyl bromide)								<10	JU/Q/	<10		●		1	WA µg/L
Cadmium, total recoverable								1.1	J//	NDD				1	WA µg/L
Carbon tetrachloride								<5.0	JU/Q/	<5.0		●		1	WA µg/L
Carbon-14								<-8.5E+01	U//	<-1.9E+02				1	TM pCi/L
Chlorobenzene								<5.0	JU/Q/	<5.0		●		1	WA µg/L
Chloroethane								<10	JU/Q/	<10		●		1	WA µg/L
Chloroethene (Vinyl chloride)								<10	JU/Q/	<10		●		1	WA µg/L
2-Chloroethyl vinyl ether								<10	JU/Q/	<10		●		1	WA µg/L
Chloroform								<5.0	JU/Q/	<5.0		●		1	WA µg/L
Chloromethane (Methyl chloride)								<2.0	JU/QV/	<10		●		1	WA µg/L
Chromium, total recoverable								26	//					1	WA µg/L
Copper, total recoverable								18	//					1	WA µg/L
Dibromochloromethane								<5.0	JU/Q/	<5.0		●		1	WA µg/L
1,1-Dichloroethane								<5.0	JU/Q/	<5.0		●		1	WA µg/L
1,2-Dichloroethane								<5.0	JU/Q/	<5.0		●		1	WA µg/L
1,1-Dichloroethylene								<5.0	JU/Q/	<5.0		●		1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	JU/Q/	<5.0		●		1	WA µg/L
Dichloromethane								<5.0	JU/Q/	<5.0		●		1	WA µg/L
1,2-Dichloropropane								<5.0	JU/Q/	<5.0		●		1	WA µg/L
cis-1,3-Dichloropropene								<5.0	JU/Q/	<5.0		●		1	WA µg/L
trans-1,3-Dichloropropene								<5.0	JU/Q/	<5.0		●		1	WA µg/L
Ethylbenzene								<5.0	JU/Q/	<5.0		●		1	WA µg/L
Gross alpha								1.9E+02	//		■			1	TM pCi/L
Iron, total recoverable								31,000	//					1	WA µg/L
Lead, total recoverable								56	//					1	WA µg/L
Lithium, total recoverable								29	//					1	WA µg/L
Mercury, total recoverable								0.080	J//	NDD				1	WA µg/L
Nickel, total recoverable								23	J//	NDD				1	WA µg/L
Nonvolatile beta								5.8E+01	//		■			1	TM pCi/L
Phenols								9.1	J//	NDD				1	WA µg/L
Radium, total alpha-emitting								1.5E+01	//					1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<-1.4E-01	U//	<-1.5E+00				1	TM pCi/L
Sulfate								100,000	//					50	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	JU/Q/	<5.0		●		1	WA µg/L
Tetrachloroethylene								<5.0	JU/Q/	<5.0		●		1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	JU/Q/	<5.0		●		1	WA µg/L
Total dissolved solids								1,000,000	J/Q/	NDD		●		1	WA µg/L
Total organic carbon								2,600	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	JU/Q/	<5.0		●		1	WA µg/L
1,1,2-Trichloroethane								<5.0	JU/Q/	<5.0		●		1	WA µg/L
Trichloroethylene								<5.0	JU/Q/	<5.0		●		1	WA µg/L
Trichlorofluoromethane								<5.0	JU/Q/	<5.0		●		1	WA µg/L
Tritium								1.5E+00	J//	NDD				1	TM pCi/mL
Xylenes								<5.0	JU/Q/	<5.0		●		1	WA µg/L
Zinc, total recoverable								170	//					1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 3C134

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72692.06 E56979.42	°N °W	153.23-155.73 ft msl	NA	PVC	double valve	Bamwell (IIB ₁)

SAMPLE DATE 12/17/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation			ft msl
pH		6.5	pH
Sp. conductance		340	µS/cm
Water temperature		16.4	°C
Alkalinity as CaCO ₃		51	mg/L
Turbidity		151	NTU
Volumes purged			Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								44,000	//					1	WA µg/L
Aluminum, total recoverable								3,300	J/K/I	NDD				1	WA µg/L
Antimony, total recoverable								<27	JU/L/I	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								120	//					1	WA µg/L
Benzene								<5.0	JU/Q/	<5.0				1	WA µg/L
Boron, total recoverable								51	J/I/	NDD				1	WA µg/L
Bromodichloromethane								<5.0	JU/Q/	<5.0				1	WA µg/L
Bromoform								<5.0	JU/Q/	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	JU/Q/	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	JU/Q/	<5.0				1	WA µg/L
Carbon-14								<-1.5E+02	U//	<1.9E+02				1	TM pCi/L
Chlorobenzene								<5.0	JU/Q/	<5.0				1	WA µg/L
Chloroethane								<10	JU/Q/	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	JU/Q/	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	JU/Q/	<10				1	WA µg/L
Chloroform								<5.0	JU/Q/	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	JU/Q/	<10				1	WA µg/L
Chromium, total recoverable								1.6	J/I/	NDD				1	WA µg/L
Copper, total recoverable								<3.5	U//	<15				1	WA µg/L
Dibromochloromethane								<5.0	JU/Q/	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	JU/Q/	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	JU/Q/	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	JU/Q/	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	JU/Q/	<5.0				1	WA µg/L
Dichloromethane								<5.0	JU/Q/	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	JU/Q/	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	JU/Q/	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	JU/Q/	<5.0				1	WA µg/L
Ethylbenzene								<5.0	JU/Q/	<5.0				1	WA µg/L
Gross alpha								3.2E+01	//					1	TM pCi/L
Iron, total recoverable								4,000	//					1	WA µg/L
Lead, total recoverable								6.9	J/I/	NDD				1	WA µg/L
Lithium, total recoverable								8.7	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								5.7	J/I/	NDD				1	WA µg/L
Nonvolatile beta								1.3E+01	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								6.1E+00	//					1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<1.9E-01	U//	<1.5E+00				1	TM pCi/L
Sulfate								74,000	//					20	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	JU/Q/	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	JU/Q/	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	JU/Q/	<5.0				1	WA µg/L
Total dissolved solids								410,000	J/Q/	NDD				1	WA µg/L
Total organic carbon								3,400	//					1	WA µg/L
1,1,1-Trichloroethane								<5.0	JU/Q/	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	JU/Q/	<5.0				1	WA µg/L
Trichloroethylene								1.5	J/I/Q/	NDD				1	WA µg/L
Trichlorofluoromethane								<5.0	JU/Q/	<5.0				1	WA µg/L
Tritium								7.1E+00	//					1	TM pCi/mL
Xylenes								<5.0	JU/Q/	<5.0				1	WA µg/L
Zinc, total recoverable								29	J/I/	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 3C146

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N72692.06 E56979.42	*N *W	140.67-143.17 ft msl	NA	PVC	double valve	Barnwell (IIB ₁)

SAMPLE DATE 12/17/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation			ft msl
pH		6.0	pH
Sp. conductance		84	µS/cm
Water temperature		16.1	°C
Alkalinity as CaCO ₃		8	mg/L
Turbidity		14	NTU
Volumes purged			Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								18,000	//					1	WA	µg/L
Aluminum, total recoverable								1,200	J/K/L	NDD				1	WA	µg/L
Antimony, total recoverable								<27	JU/L/I	<27				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								50	//					1	WA	µg/L
Benzene								<5.0	JU/Q/	<5.0				1	WA	µg/L
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	JU/Q/	<5.0				1	WA	µg/L
Bromoform								<5.0	JU/Q/	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	JU/Q/	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	JU/Q/	<5.0				1	WA	µg/L
Carbon-14								<-1.5E+02	U//	<1.9E+02				1	TM	pCi/L
Chlorobenzene								<5.0	JU/Q/	<5.0				1	WA	µg/L
Chloroethane								<10	JU/Q/	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	JU/Q/	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	JU/Q/	<10				1	WA	µg/L
Chloroform								<5.0	JU/Q/	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								<10	JU/Q/	<10				1	WA	µg/L
Chromium, total recoverable								2.6	J//	NDD				1	WA	µg/L
Copper, total recoverable								<2.2	U//	<15				1	WA	µg/L
Dibromochloromethane								<5.0	JU/Q/	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	JU/Q/	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	JU/Q/	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	JU/Q/	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	JU/Q/	<5.0				1	WA	µg/L
Dichloromethane								<5.0	JU/Q/	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	JU/Q/	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	JU/Q/	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	JU/Q/	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	JU/Q/	<5.0				1	WA	µg/L
Gross alpha								8.1E+00	//					1	TM	pCi/L
Iron, total recoverable								1,500	//					1	WA	µg/L
Lead, total recoverable								<47	U//	<47				1	WA	µg/L
Lithium, total recoverable								3.1	//					1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								2.9	J//	NDD				1	WA	µg/L
Nonvolatile beta								2.7E+00	J//	NDD				1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								2.1E+00	J//	NDD				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Strontium-90								<-3.0E-01	U//	<1.5E+00				1	TM	pCi/L
Sulfate								13,000	//					2	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	JU/Q/	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	JU/Q/	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	JU/Q/	<5.0				1	WA	µg/L
Total dissolved solids								97,000	J/Q/	NDD				1	WA	µg/L
Total organic carbon								670	J//	NDD				1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	JU/Q/	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	JU/Q/	<5.0				1	WA	µg/L
Trichloroethylene								<5.0	JU/Q/	<5.0				1	WA	µg/L
Trichlorofluoromethane								<5.0	JU/Q/	<5.0				1	WA	µg/L
Tritium								<8.0E-02	U//	<7.3E-01				1	TM	pCi/mL
Xylenes								<5.0	JU/Q/	<5.0				1	WA	µg/L
Zinc, total recoverable								23	J//	NDD				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 3C161

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72692.06 E56979.42	°N °W	125.61-128.11 ft msl	NA	PVC	double valve	Bamwell (IIB ₁)

SAMPLE DATE 12/17/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		222.20	ft msl
pH		7.4	pH
Sp. conductance		570	µS/cm
Water temperature		16.5	°C
Alkalinity as CaCO ₃		164	mg/L
Turbidity		455	NTU
Volumes purged		.05	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								190,000	//					1	WA µg/L
Aluminum, total recoverable								6,100	J/K/L	NDD				1	WA µg/L
Antimony, total recoverable								<27	JU/L/L	<27				1	WA µg/L
Arsenic, total recoverable								12	J//	NDD				1	WA µg/L
Barium, total recoverable								300	//					1	WA µg/L
Benzene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Boron, total recoverable								47	J//	NDD				1	WA µg/L
Bromodichloromethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Bromoform								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Bromomethane (Methyl bromide)								<10	JU/Q/	<10	●			1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Carbon-14								<-5.4E+01	U//	<1.9E+02				1	TM pCi/L
Chlorobenzene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Chloroethane								<10	JU/Q/	<10	●			1	WA µg/L
Chloroethene (Vinyl chloride)								<10	JU/Q/	<10	●			1	WA µg/L
2-Chloroethyl vinyl ether								<10	JU/Q/	<10	●			1	WA µg/L
Chloroform								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Chloromethane (Methyl chloride)								<10	JU/Q/	<10	●			1	WA µg/L
Chromium, total recoverable								5.9	J//	NDD				1	WA µg/L
Copper, total recoverable								<4.4	U//	<15				1	WA µg/L
Dibromochloromethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
1,1-Dichloroethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
1,2-Dichloroethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
1,1-Dichloroethylene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Dichloromethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
1,2-Dichloropropane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
cis-1,3-Dichloropropene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
trans-1,3-Dichloropropene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Ethylbenzene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Gross alpha								3.9E+01	//		■			1	TM pCi/L
Iron, total recoverable								7,100	//					1	WA µg/L
Lead, total recoverable								13	J//	NDD				1	WA µg/L
Lithium, total recoverable								11	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								5.0	J//	NDD				1	WA µg/L
Nonvolatile beta								1.8E+01	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								5.2E+00	//					1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<6.5E-01	U//	<1.6E+00				1	TM pCi/L
Sulfate								60,000	//					20	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Tetrachloroethylene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Total dissolved solids								670,000	J/Q/	NDD	●			1	WA µg/L
Total organic carbon								740	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
1,1,2-Trichloroethane								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Trichloroethylene								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Tritium								<3.6E-01	U//	<7.5E-01				1	TM pCi/mL
Xylenes								<5.0	JU/Q/	<5.0	●			1	WA µg/L
Zinc, total recoverable								31	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 3D065

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N72698.21 E56970.83	°N °W	222.4-219.9 ft msl	NA	PVC	double valve	Water Table (IIB ₂)

SAMPLE DATE

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation			ft msl
pH			pH
Sp. conductance			µS/cm
Water temperature			°C
Alkalinity as CaCO ₃			mg/L
Turbidity			NTU
Volumes purged			Well vol
Sampling code			

Notes: Radionuclide results in italics are less than sample quantitation limit.
 ● = exceeded holding time.
 ■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 3D072

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N72698.21 E56970.83	°N °W	214.9-212.4 ft msl	NA	PVC	double valve	Water Table (IIB ₂)

SAMPLE DATE

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation			ft msl
pH			pH
Sp. conductance			µS/cm
Water temperature			°C
Alkalinity as CaCO ₃			mg/L
Turbidity			NTU
Volumes purged			Well vol
Sampling code			

Notes: Radionuclide results in italics are less than sample quantitation limit.
 ● = exceeded holding time.
 ■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 3D082

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72698.21 E56970.83	°N °W	204.83-207.33 ft msl	NA	PVC	double valve	Water Table (IIB ₂)

SAMPLE DATE 12/18/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation			ft msl
pH		6.2	pH
Sp. conductance		80	µS/cm
Water temperature		16.4	°C
Alkalinity as CaCO ₃		2	mg/L
Turbidity		14	NTU
Volumes purged			Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								6,900	J/I	NDD				1	WA µg/L
Aluminum, total recoverable								540	J/K/L	NDD				1	WA µg/L
Antimony, total recoverable								<27	JU/L/I	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								9.3	I/I					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<-2.9E+01	U//	<1.9E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								<7.0	U//	<7.0				1	WA µg/L
Copper, total recoverable								<1.5	U/N/I	<15				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								6.5E+00	I/					1	TM pCi/L
Iron, total recoverable								500	I/					1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								2.0	J/I	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nonvolatile beta								2.2E+00	J/I	NDD				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								1.4E+00	J/I	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<-2.5E-01	U//	<1.7E+00				1	TM pCi/L
Sulfate								7,600	I/					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								79,000	J/Q/	NDD				1	WA µg/L
Total organic carbon								630	J/I	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								2.7E+01	I/					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								36	J/I	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BSE 3D095

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N72698.21 E56970.83	°N °W	192.29-194.79 ft msl	NA	PVC	double valve	Water Table (IIB ₂)

SAMPLE DATE 12/18/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		229.49	ft msl
pH		4.6	pH
Sp. conductance		40	µS/cm
Water temperature		16.3	°C
Alkalinity as CaCO ₃		0	mg/L
Turbidity		2	NTU
Volumes purged		.16	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								<13,000	U//	<130				1	WA µg/L
Aluminum, total recoverable								60	J//K/1	NDD				1	WA µg/L
Antimony, total recoverable								<27	JU//L/1	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								7.9	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								<3.4E+01	U//	<1.9E+02				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<2.3	U//N/	<10				1	WA µg/L
Chromium, total recoverable								<7.0	U//	<7.0				1	WA µg/L
Copper, total recoverable								<1.9	U//N/	<15				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								3.0E+00	//					1	TM pCi/L
Iron, total recoverable								27	J//	NDD				1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								0.98	J//	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								<1.9E-01	U//	<1.8E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								1.1E+00	J//	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<-1.6E-01	U//	<1.4E+00				1	TM pCi/L
Sulfate								240	J//	NDD				1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								20,000	J//Q/	NDD				1	WA µg/L
Total organic carbon								560	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								3.2E+02	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								<53	U//	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL FSS 1D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75257.6 E53897.6	33.280161 °N 81.671063 °W	229.9-209.9 ft msl	266 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 11/02/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		224.1	ft msl
pH		5.5	pH
Sp. conductance		50	µS/cm
Water temperature		22.9	°C
Alkalinity as CaCO ₃		20	mg/L
Turbidity		9	NTU
Volumes purged		0.86	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								28,000	//					1	WA µg/L
Aluminum, total recoverable								260	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								5.1	//					1	WA µg/L
Benzene								<1.1	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								3.5E+03	R//4					1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								1.1	J//	NDD				1	WA µg/L
Chromium, total recoverable								1.3	J//	NDD				1	WA µg/L
Copper, total recoverable								79	//					1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.5	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								2.4E+00	J//	NDD				1	TM pCi/L
Iron, total recoverable								260	//					1	WA µg/L
Lead, total recoverable								11	J//	NDD				1	WA µg/L
Lithium, total recoverable								<2.7	U//	<2.7				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								3.1E+00	J//	NDD				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<1.4E-01	U//	<3.3E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<4.5E-01	U//	<1.2E+00				1	TM pCi/L
Sulfate								1,800	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								51,000	J//	NDD				1	WA µg/L
Total organic carbon								1,200	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								9.4E+00	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								20	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
 ● = exceeded holding time.
 ■ = exceeded groundwater protection or monitoring constituent standard.

WELL FSS 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75103.5 E53918.9	33.279855 °N 81.670708 °W	224.4-204.4 ft msl	261.6 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 11/02/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		223.6	ft msl
pH		5.1	pH
Sp. conductance		35	µS/cm
Water temperature		21.8	°C
Alkalinity as CaCO3		0	mg/L
Turbidity		32	NTU
Volumes purged		0.48	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								3,000	J//	NDD				1	WA µg/L
Aluminum, total recoverable								580	//					1	WA µg/L
Antimony, total recoverable								3.7	J//	NDD				1	WA µg/L
Arsenic, total recoverable								4.0	J//	NDD				1	WA µg/L
Barium, total recoverable								25	//					1	WA µg/L
Benzene								<0.95	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								3.0E+03	R//4					1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								3.6	J//	NDD				1	WA µg/L
Copper, total recoverable								55	//					1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								5.2	J/KV/O	NDD				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								5.7E+00	//					1	TM pCi/L
Iron, total recoverable								920	//					1	WA µg/L
Lead, total recoverable								21	J//	NDD				1	WA µg/L
Lithium, total recoverable								2.0	J//	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								3.4	J//	NDD				1	WA µg/L
Nonvolatile beta								6.1E+00	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								1.4E+00	//					1	TM pCi/L
Selenium, total recoverable								6.9	J//	NDD				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<5.8E-01	U//	<1.5E+00				1	TM pCi/L
Sulfate								5,500	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								27,000	J//Q/	NDD				1	WA µg/L
Total organic carbon								690	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								0.95	J//K/O	NDD				1	WA µg/L
Tritium								2.6E+02	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								140	//					1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL FSS 3D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74960.5 E53548.0	33.278933 °N 81.671406 °W	225.8-205.8 ft msl	258.2 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 12/08/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		227.2	ft msl
pH		4.4	pH
Sp. conductance		63	µS/cm
Water temperature		20.7	°C
Alkalinity as CaCO3		0	mg/L
Turbidity		6.7	NTU
Volumes purged			Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								3,100							
Aluminum, total recoverable								280	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								16	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								3.8E+02	R//4	NDD				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								3.1	J//	NDD				1	WA µg/L
Copper, total recoverable								21	//					1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								7.7	JN//	NDD				1	WA µg/L
Dichloromethane								<1.3	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								2.8E+00	J//	NDD				1	TM pCi/L
Iron, total recoverable								550	//					1	WA µg/L
Lead, total recoverable								32	J//	NDD				1	WA µg/L
Lithium, total recoverable								0.50	J//	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								2.9	J//	NDD				1	WA µg/L
Nonvolatile beta								4.4E+00	//					1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								1.6E+00	J//	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<2.0E-01	U//	<1.5E+00				1	TM pCi/L
Sulfate								13,000	//					2	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								17,000	J//Q/	NDD				1	WA µg/L
Total organic carbon								1,000	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								1.3E+02	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								<53	U//	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL FSS 4D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Screen Zone</u>
N75537.8 E52876.1	33.279114 °N 81.674297 °W	222.6-202.6 ft msl	291.8 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 11/02/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		220.8	ft msl
pH		4.9	pH
Sp. conductance		45	µS/cm
Water temperature		24.5	°C
Alkalinity as CaCO3		0	mg/L
Turbidity		12	NTU
Volumes purged		0.92	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								980	J//	NDD				1	WA µg/L
Aluminum, total recoverable								250	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								12	//					1	WA µg/L
Benzene								<1.4	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromofom								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								1.2E+03	R//4	NDD				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								5.6	J//	NDD				1	WA µg/L
Copper, total recoverable								17	//					1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.6	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								<4.2E-01	U//	<1.1E+00				1	TM pCi/L
Iron, total recoverable								540	//					1	WA µg/L
Lead, total recoverable								6.7	J//	NDD				1	WA µg/L
Lithium, total recoverable								0.68	J//	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								<2.2E-01	U//	<1.5E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								4.6E-01	J//	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								1.3	J//	NDD				1	WA µg/L
Strontium-90								<6.3E-01	U//	<1.1E+00				1	TM pCi/L
Sulfate								1,200	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								26,000	J//Q/	NDD				1	WA µg/L
Total organic carbon								1,300	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								3.7E+00	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								33	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL HMD 1D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N78731.7 E56973.3	33.292863 °N 81.669714 °W	219.7-199.7 ft msl	264.5 ft msl	4" PVC	S	Barnwell (IIB ₁)

SAMPLE DATE 11/02/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		210.6	ft msl
pH		5.2	pH
Sp. conductance		72	µS/cm
Water temperature		24.3	°C
Alkalinity as CaCO ₃		8	mg/L
Turbidity		11	NTU
Volumes purged		0.42	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								13,000	//					1	WA µg/L
Aluminum, total recoverable								240	//					1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								8.4	//					1	WA µg/L
Benzene								<0.94	U//	<5.0				1	WA µg/L
Boron, total recoverable								37	J//	NDD				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								0.71	J//	NDD				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								1.1E+03	R//4	NDD				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								1.5	J//	NDD				1	WA µg/L
Chromium, total recoverable								5.5	J//	NDD				1	WA µg/L
Copper, total recoverable								12	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<5.8	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								<6.0E-01	U//	<9.3E-01				1	TM pCi/L
Iron, total recoverable								540	//					1	WA µg/L
Lead, total recoverable								12	J//	NDD				1	WA µg/L
Lithium, total recoverable								1.1	J//	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								5.5	J//	NDD				1	WA µg/L
Nonvolatile beta								<4.7E-01	U//	<1.7E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<2.1E-01	U//	<3.2E-01				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								1.6	J//	NDD				1	WA µg/L
Strontium-90								<9.2E-01	JU//	<1.4E+00				1	TM pCi/L
Sulfate								12,000	//					2	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								42,000	J//Q/	NDD				1	WA µg/L
Total organic carbon								2,200	//					1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								1.5	J//	NDD				1	WA µg/L
Tritium								5.3E+01	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								56	//					1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL HMD 2D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N79665.8 E57269.7	33.295413 °N 81.670748 °W	210.8-190.8 ft msl	261.1 ft msl	4" PVC	S	Barnwell (IIB ₁)

SAMPLE DATE 11/02/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		201.7	ft msl
pH		5.5	pH
Sp. conductance		56	µS/cm
Water temperature		20.5	°C
Alkalinity as CaCO ₃		5	mg/L
Turbidity		3	NTU
Volumes purged		6.0	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								9,000	//					1	WA	µg/L
Aluminum, total recoverable								52	J//	NDD				1	WA	µg/L
Antimony, total recoverable								2.7	J//	NDD				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								4.1	//					1	WA	µg/L
Benzene								<1.1	U//	<5.0				1	WA	µg/L
Boron, total recoverable								43	J//	NDD				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								1.3E+03	R//4	NDD				1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA	µg/L
Chromium, total recoverable								2.6	J//	NDD				1	WA	µg/L
Copper, total recoverable								3.0	J//	NDD				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<5.4	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								<1.1E+00	U//	<1.3E+00				1	TM	pCi/L
Iron, total recoverable								130	//					1	WA	µg/L
Lead, total recoverable								<47	U//	<47				1	WA	µg/L
Lithium, total recoverable								<2.7	U//	<2.7				1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								<26	U//	<26				1	WA	µg/L
Nonvolatile beta								<9.1E-01	U//	<1.5E+00				1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								<2.7E-01	U//	<3.6E-01				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								0.51	J//	NDD				1	WA	µg/L
Strontium-90								<6.0E-02	U//	<1.1E+00				1	TM	pCi/L
Sulfate								8,200	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								30,000	J//Q/	NDD				1	WA	µg/L
Total organic carbon								530	J//	NDD				1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Trichlorofluoromethane								1.6	J//	NDD				1	WA	µg/L
Tritium								1.5E+01	//					1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								21	J//	NDD				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent standard.

WELL HMD 3D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N79578.7 E57745.2	33.295996 °N 81.669327 °W	207.7-187.7 ft msl	259.5 ft msl	4" PVC	S	Bamwell (IIB ₁)

SAMPLE DATE 11/02/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		201.3	ft msl
pH		4.5	pH
Sp. conductance		60	µS/cm
Water temperature		21.0	°C
Alkalinity as CaCO ₃		0	mg/L
Turbidity		1	NTU
Volumes purged		6.5	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								<6,700	U//	<6,700				1	WA µg/L
Aluminum, total recoverable								110	J//	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								11	//					1	WA µg/L
Benzene								<1.2	U//	<5.0				1	WA µg/L
Boron, total recoverable								59	J//	NDD				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								8.7E+02	R//4	NDD				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								7.6	//					1	WA µg/L
Copper, total recoverable								13	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<3.2	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								1.8E+00	J//	NDD				1	TM pCi/L
Iron, total recoverable								150	//					1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								0.53	J//	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								<-7.0E-02	U//	<1.6E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								9.0E-01	J//	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								7.7	//					1	WA µg/L
Strontium-90								<-6.2E-01	U//	<1.3E+00				1	TM pCi/L
Sulfate								14,000	//					2	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								34,000	J//Q/	NDD				1	WA µg/L
Total organic carbon								450	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Trichlorofluoromethane								2.3	J//	NDD				1	WA µg/L
Tritium								4.8E+01	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								24	J//	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL HMD 4D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N79160.4 E58188.5	33.295794 °N 81.667346 °W	208.9-188.9 ft msl	250.9 ft msl	4" PVC	S	Barnwell (IIB ₁)

SAMPLE DATE 11/02/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		201.4	ft msl
pH		5.1	pH
Sp. conductance		29	µS/cm
Water temperature		23.0	°C
Alkalinity as CaCO ₃		2	mg/L
Turbidity		11	NTU
Volumes purged		0.61	Well vol
Sampling code		XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								4,200	J/I	NDD				1	WA µg/L
Aluminum, total recoverable								130	J/I	NDD				1	WA µg/L
Antimony, total recoverable								<27	U/I	<27				1	WA µg/L
Arsenic, total recoverable								<40	U/I	<40				1	WA µg/L
Barium, total recoverable								22	I					1	WA µg/L
Benzene								<0.92	U/N/I	<5.0				1	WA µg/L
Boron, total recoverable								<270	U/I	<270				1	WA µg/L
Bromodichloromethane								<5.0	U/I	<5.0				1	WA µg/L
Bromoform								<5.0	U/I	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)								<10	U/I	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U/I	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U/I	<5.0				1	WA µg/L
Carbon-14								2.3E+03	R/I/4					1	TM pCi/L
Chlorobenzene								<5.0	U/I	<5.0				1	WA µg/L
Chloroethane								<10	U/I	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U/I	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U/I	<10				1	WA µg/L
Chloroform								<5.0	U/I	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)								1.9	J/I	NDD				1	WA µg/L
Chromium, total recoverable								1.1	J/I	NDD				1	WA µg/L
Copper, total recoverable								18	I					1	WA µg/L
Dibromochloromethane								<5.0	U/I	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U/I	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U/I	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U/I	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U/I	<5.0				1	WA µg/L
Dichloromethane								<5.4	U/N/I	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U/I	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U/I	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U/I	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U/I	<5.0				1	WA µg/L
Gross alpha								2.7E+00	J/I	NDD				1	TM pCi/L
Iron, total recoverable								550	I					1	WA µg/L
Lead, total recoverable								16	J/I	NDD				1	WA µg/L
Lithium, total recoverable								4.3	I					1	WA µg/L
Mercury, total recoverable								<0.70	U/I	<0.70				1	WA µg/L
Nickel, total recoverable								2.7	J/I	NDD				1	WA µg/L
Nonvolatile beta								2.3E+00	J/I	NDD				1	TM pCi/L
Phenols								<37	U/I	<37				1	WA µg/L
Radium, total alpha-emitting								9.7E-01	J/I	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U/I	<66				1	WA µg/L
Silver, total recoverable								<5.0	U/I	<5.0				1	WA µg/L
Strontium-90								<0.0E+00	U/I	<1.3E+00				1	TM pCi/L
Sulfate								2,300	I					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U/I	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U/I	<5.0				1	WA µg/L
Tin, total recoverable								<70	U/I	<70				1	WA µg/L
Toluene								<5.0	U/I	<5.0				1	WA µg/L
Total dissolved solids								19,000	J/I/Q	NDD				1	WA µg/L
Total organic carbon								1,300	I					1	WA µg/L
Total organic halogens								<120	U/I	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U/I	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U/I	<5.0				1	WA µg/L
Trichloroethylene								2.1	J/I	NDD				1	WA µg/L
Trichlorofluoromethane								<5.0	U/I	<5.0				1	WA µg/L
Tritium								3.6E+01	I					1	TM pCi/mL
Xylenes								<5.0	U/I	<5.0				1	WA µg/L
Zinc, total recoverable								52	J/I	NDD				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.

● = exceeded holding time.

■ = exceeded groundwater protection or monitoring constituent 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>Pump</u>	<u>Screen Zone</u>
N73791.9 E58943.4	33.285152 °N 81.654930 °W	71.1-61.1 ft msl	294.4 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE	04/01/98	11/12/98
-------------	----------	----------

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	169.9	169.3	ft msl
pH	6.7	6.9	pH
Sp. conductance	130	180	µS/cm
Water temperature	20.5	19.5	°C
Alkalinity as CaCO ₃	32	78	mg/L
Turbidity	1	1	NTU
Volumes purged	2.5	2.8	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								81,000	//					1	WA µg/L
Aluminum, total recoverable								29	J/N	NDD				1	WA µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27				1	WA µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40				1	WA µg/L
Barium, total recoverable	31	N//				1	WA	29	//					1	WA µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable	<270	U//	<270			1	WA	<270	U//	<270				1	WA µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10				1	WA µg/L
Cadmium, total recoverable	1.4	J/E/	NDD			1	WA	<1.0	U//	<1.0				1	GE µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L
Carbon-14	<-7.4E+01	U//	<1.8E+02			1	TM	<5.0E+01	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10				1	WA µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<10	U//	<10				1	WA µg/L
Chromium, total recoverable	1.8	J/E/	NDD			1	WA	<7.0	U//	<7.0				1	WA µg/L
Copper, total recoverable	<15	U//	<15			1	WA	3.3	J/N	NDD				1	WA µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA							1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane	<3.9	U/N//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L
Gross alpha	9.1E-01	//				1	GP	1.3E+00	J/N	NDD				1	TM pCi/L
Iron, total recoverable								140	J/K/1	NDD				1	GE µg/L
Lead, total recoverable	5.5	J/E/	NDD			1	WA	0.81	J/N	NDD				1	GE µg/L
Lithium, total recoverable	3.4	//				1	WA	3.5	//					1	WA µg/L
Mercury, total recoverable	<0.20	U//	<0.20			1	GE	1.2	//					1	GE µg/L
Nickel, total recoverable	<26	U//	<26			1	WA	<26	U//	<26				1	WA µg/L
Nitrate-nitrite as nitrogen	30	J/E/	NDD			1	GE	<20	U/N//	<50				1	GE µg/L
Nonvolatile beta	6.1E+00	J/X/	NDD			1	TM	<1.2E+00	U//	<1.1E+00				1	GE pCi/L
pH	6.8	J/Q/1	NDD	●		1	GE	6.7	J/Q/	NDD				1	GE pH
Phenols	<36	U//	<36			1	WA	<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting	<1.3E-01	U//	<5.0E-01			1	TM	<1.5E-01	U//	<8.8E-01				1	TM pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66				1	WA µg/L
Silver, total recoverable	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L
Specific conductance	180	//				1	GE	200	//					1	GE µS/cm
Strontium-90	<0.0E+00	U//	<1.8E+00			1	TM	1.9E+00	J/N	NDD				1	TM pCi/L
Sulfate	5,900	//				1	WA	5,300	//					1	WA µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70				1	WA µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids	120,000	//				1	WA	80,000	J/Q/	NDD				1	WA µg/L
Total organic carbon	790	J/E/	NDD			1	WA	200	J/N	NDD				1	WA µg/L
Total organic halogens	<120	U/J/Q/	<120	●		1	WA	<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL HSB 85A (cont.)

<u>Analyte</u>	<u>2Q98</u>	<u>Mod</u>	<u>Filt.</u>	<u>S</u>	<u>H</u>	<u>DF</u>	<u>Lab</u>	<u>4Q98</u>	<u>Mod</u>	<u>Filt.</u>	<u>S</u>	<u>H</u>	<u>DF</u>	<u>Lab</u>	<u>Unit</u>
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tritium	<2.2E-01	UIJ//1				1	GP	<3.4E-02	U//	<6.4E-01			1	GE	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	<53	U//	<53			1	WA	<53	U//	<53			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL HSB 85B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73789.3 E58953.3	33.285162 °N 81.654898 °W	143.2-133.2 ft msl	294.5 ft msl	4" PVC	S	McBean (IIB ₁)

SAMPLE DATE	04/01/98	10/30/98
-------------	----------	----------

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	235.7	234.5	ft msl
pH		10.5	pH
Sp. conductance		470	µS/cm
Water temperature		22.3	°C
Alkalinity as CaCO ₃		52	mg/L
Turbidity		2	NTU
Volumes purged	0.51	0.015	Well vol
Sampling code	XN	XN	

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								72,000	//				1	WA	µg/L
Aluminum, total recoverable								2,600	//				1	GE	µg/L
Antimony, total recoverable	<27	U//	<27	1			WA	<27	U//	<27	1		1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40	1			WA	<40	U//	<40	1		1	WA	µg/L
Barium, total recoverable	19	N//		1			WA	26	//		1		1	WA	µg/L
Benzene	<5.0	U//	<5.0	1			WA	<5.0	U//	<5.0	1		1	WA	µg/L
Boron, total recoverable	<270	U//	<270	1			WA	<270	U//	<270	1		1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0	1			WA	<5.0	U//	<5.0	1		1	WA	µg/L
Bromoform	<5.0	U//	<5.0	1			WA	<5.0	U//	<5.0	1		1	WA	µg/L
Bromomethane (Methyl bromide)<10		U//	<10	1			WA	<10	U//	<10	1		1	WA	µg/L
Cadmium, total recoverable	4.1	J/E/	NDD	1			WA	<4.7	U//	<4.7	1		1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0	1			WA	<5.0	U//	<5.0	1		1	WA	µg/L
Carbon-14	<-1.4E+02	U//	<-1.8E+02	1			TM	<8.7E+01	U//	<-1.7E+02	1		1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0	1			WA	<5.0	U//	<5.0	1		1	WA	µg/L
Chloroethane	<10	U//	<10	1			WA	<10	U//	<10	1		1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10	1			WA	<10	U//	<10	1		1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10	1			WA	<10	U//	<10	1		1	WA	µg/L
Chloroform	<5.0	U//	<5.0	1			WA	<5.0	U//	<5.0	1		1	WA	µg/L
Chloromethane (Methyl chloride)<10		U//	<10	1			WA	<10	U//	<10	1		1	WA	µg/L
Chromium, total recoverable	3.6	J/E/	NDD	1			WA	3.4	J//	NDD	1		1	WA	µg/L
Copper, total recoverable	<15	U//	<15	1			WA	<15	U//	<15	1		1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0	1			WA	<5.0	U//	<5.0	1		1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0	1			WA	<5.0	U//	<5.0	1		1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0	1			WA	<5.0	U//	<5.0	1		1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0	1			WA	<5.0	U//	<5.0	1		1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0	1			WA								µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<3.9	U//	<5.0	1			WA	<2.8	U//	<5.0	1		1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0	1			WA	<5.0	U//	<5.0	1		1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0	1			WA	<5.0	U//	<5.0	1		1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0	1			WA	<5.0	U//	<5.0	1		1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0	1			WA	<5.0	U//	<5.0	1		1	WA	µg/L
Gross alpha	1.6E+00	//		1			GP	<2.0E-01	U//	<1.2E+00	1		1	TM	pCi/L
Iron, total recoverable								280	//		1		1	GE	µg/L
Lead, total recoverable	9.8	J/E/	NDD	1			WA	<47	U//	<47	1		1	WA	µg/L
Lithium, total recoverable	8.1	//		1			WA	6.2	//		1		1	WA	µg/L
Mercury, total recoverable	<0.20	U//	<0.20	1			GE	<0.20	U//	<0.20	1		1	GE	µg/L
Nickel, total recoverable	<26	U//	<26	1			WA	<26	U//	<26	1		1	WA	µg/L
Nitrate-nitrite as nitrogen	40	J/E/	NDD	1			GE	1,100	//		1		1	GE	µg/L
Nonvolatile beta	4.6E+00	J/X/	NDD	1			TM	3.2E+00	//		1		1	GE	pCi/L
pH	8.0	J/Q/1	NDD	1			GE	11	J/Q/	NDD	1		1	GE	pH
Phenols	<36	U//	<36	1			WA	<37	U//	<37	1		1	WA	µg/L
Radium, total alpha-emitting	<1.3E-01	U//	<4.9E-01	1			TM	<-1.9E-01	U//	<1.5E+00	1		1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66	1			WA	<66	U//	<66	1		1	WA	µg/L
Silver, total recoverable	<5.0	U//	<5.0	1			WA	<5.0	U//	<5.0	1		1	WA	µg/L
Specific conductance	220	//		1			GE	500	//		1		1	GE	µS/cm
Strontium-90	<0.0E+00	U//	<1.7E+00	1			TM	<2.4E-01	U//	<1.5E+00	1		1	TM	pCi/L
Sulfate	2,700	//		1			WA	2,200	//		1		1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0	1			WA	<5.0	U//	<5.0	1		1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0	1			WA	<5.0	U//	<5.0	1		1	WA	µg/L
Tin, total recoverable	<70	U//	<70	1			WA	<70	U//	<70	1		1	WA	µg/L
Toluene	<5.0	U//	<5.0	1			WA	<5.0	U//	<5.0	1		1	WA	µg/L
Total dissolved solids	76,000	//		1			WA	82,000	J/Q/	NDD	1		1	WA	µg/L
Total organic carbon	1,100	//		1			WA	1,200	//		1		1	WA	µg/L
Total organic halogens	<120	U//	<120	1			WA	<120	U//	<120	1		1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0	1			WA	<5.0	U//	<5.0	1		1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0	1			WA	<5.0	U//	<5.0	1		1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0	1			WA	<5.0	U//	<5.0	1		1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL HSB 85B (cont.)

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tritium	3.2E+00	//				1	TM	9.3E+00	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	5.9	J/E/	NDD			1	WA	<53	U//	<53			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL HSB 85C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73802.3 E58947.4	33.285182 °N 81.654939 °W	224.2-214.2 ft msl	294.1 ft msl	4" PVC	S	Water Table (IIB ₂)

SAMPLE DATE 04/20/98 11/12/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	242.3	241.2	ft msl
pH	3.9	4.7	pH
Sp. conductance	38	35	µS/cm
Water temperature	20.6	20.4	°C
Alkalinity as CaCO ₃	0	0	mg/L
Turbidity	0	1	NTU
Volumes purged	5.3	4.1	Well vol
Sampling code			

ANALYTICAL DATA

Analyte	2Q98	Mod	Filt.	S	H	DF	Lab	4Q98	Mod	Filt.	S	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								<13,000	U//	<130				1	WA	µg/L
Aluminum, total recoverable								83	//					1	GE	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40				1	WA	µg/L
Barium, total recoverable	11	N//				1	WA	12	//					1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable	27	J/E/	NDD			1	WA	<270	U//	<270				1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Bromomethane (Methyl bromide)	<10	U//	<10			1	WA	<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable	1.2	J/E/	NDD			1	WA	0.56	J//	NDD				1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Carbon-14	<-2.0E+01	U//	<1.8E+02			1	TM	<-7.2E+00	U//	<1.8E+02				1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10				1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Chloromethane (Methyl chloride)	<10	U//	<10			1	WA	<10	U//	<10				1	WA	µg/L
Chromium, total recoverable	<7.0	U//	<7.0			1	WA	<7.0	U//	<7.0				1	WA	µg/L
Copper, total recoverable	69	//				1	WA	80	//					1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA							1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane	<3.9	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Gross alpha	3.3E+00	//				1	GP	3.5E+00	//					1	TM	pCi/L
Iron, total recoverable								<15	U//	<15				1	GE	µg/L
Lead, total recoverable	<47	U//	<47			1	WA	<47	U//	<47				1	WA	µg/L
Lithium, total recoverable	0.48	J/E/	NDD			1	WA	0.27	J//	NDD				1	WA	µg/L
Mercury, total recoverable	<0.20	U//	<0.20			1	GE	0.31	//					1	GE	µg/L
Nickel, total recoverable	<26	U//	<26			1	WA	<26	U//	<26				1	WA	µg/L
Nitrate-nitrite as nitrogen	2,700	//				2	GE	2,600	//					1	GE	µg/L
Nonvolatile beta	3.9E+00	J/X/	NDD			1	TM	3.4E+00	J//	NDD				1	TM	pCi/L
pH	4.4	J/Q/1	NDD	●		1	GE	4.5	J/Q/	NDD	●			1	GE	pH
Phenols	<36	U//	<36			1	WA	<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting	9.3E-01	//				1	TM	2.5E+00	//					1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66				1	WA	µg/L
Silver, total recoverable	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Specific conductance	39	//				1	GE	41	//					1	GE	µS/cm
Strontium-90	<6.9E-01	U//	<1.5E+00			1	TM	<-7.5E-01	U//	<1.5E+00				1	TM	pCi/L
Sulfate	280	J/E/	NDD			1	WA	<2,500	U//	<2,500				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70				1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids	21,000	J/E/	NDD			1	WA	10,000	J//	NDD	●			1	WA	µg/L
Total organic carbon	760	J/E/	NDD			1	WA	1,700	//					1	WA	µg/L
Total organic halogens	<120	U//	<120	●		1	WA	<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL HSB 85C (cont.)

Analyte	2Q98	Mod	Filt	S	H	DF	Lab	4Q98	Mod	Filt	S	H	DF	Lab	Unit
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tritium	1.0E+01	//				1	TM	1.3E+01	//				1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	<53	U//	<53			1	WA	<53	U//	<53			1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

Table D-4. Groundwater Monitoring Results for Individual Wells, Replicate

WELL BGO 7D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76494.5 E57917.2	33.289455 °N 81.662882 °W	240.2-220.2 ft msl	287 ft msl	4" PVC	S	Water Table (I182)

SAMPLE DATE 05/04/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	230.8		ft msl
pH	4.6		pH
Sp conductance	22		µS/cm
Water temperature	16.0		°C
Alkalinity as CaCO ₃	0		mg/L
Turbidity	2		NTU
Volumes purged	25		Well vol
Sampling code			

ANALYTICAL DATA

Constituents	2Q98	Mod	Filt	ST	H	DF	Lab	4Q98	Mod	Filt	ST	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	<6,700	U//	<6,700			1	WA								µg/L
Antimony, total recoverable	<27	U//	<27			1	WA								µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA								µg/L
Barium, total recoverable	7.4	N//				1	WA								µg/L
Benzene	<5.0	U//	<5.0			1	WA								µg/L
Boron, total recoverable	<270	U//	<270			1	WA								µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA								µg/L
Bromoform	<5.0	U//	<5.0			1	WA								µg/L
Bromomethane	<10	U//	<10			1	WA								µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA								µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA								µg/L
Carbon-14	<1.3E+02	U//	<1.9E+02			1	TM								pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA								µg/L
Chloroethane	<10	U//	<10			1	WA								µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA								µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA								µg
Chloroform	<5.0	U//	<5.0			1	WA								µg/L
Chloromethane	<10	U//	<10			1	WA								µg/L
Chromium, total recoverable	<7.0	U//	<7.0			1	WA								µg/L
Copper, total recoverable	<15	U//	<15			1	WA								µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA								µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA								µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA								µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA								µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA								µg/L
Dichloromethane	<1.9	U//	<5.0			1	WA								µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA								µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA								µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA								µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA								µg/L
Gross alpha	<2.2E+00	U//	<8.2E+00			1	TM								pCi/L
Lead, total recoverable	<47	U//	<47			1	WA								µg/L
Lithium, total recoverable	<0.51	U//	<2.7			1	WA								µg/L
Mercury, total recoverable	0.080	J/E/	NDD			1	WA								µg/L
Nickel, total recoverable	<26	U//	<26			1	WA								µg/L
Nonvolatile beta	<4.5E+00	U//	<1.7E+01			1	TM								pCi/L
Phenols	<36	U//	<36			1	WA								µg/L
Radium, total alpha-emitting	5.7E-01	//				1	TM								pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA								µg/L
Silver, total recoverable	<0.79	U//	<5.0			1	WA								µg/L
Strontium-90	<1.4E+00	U//	<1.6E+00			1	TM								pCi/L
Sulfate	780	J/Q/	NDD			1	WA								µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA								µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA								µg/L
Tin, total recoverable	<70	U//	<70			1	WA								µg/L
Toluene	<5.0	U//	<5.0			1	WA								µg/L
Total dissolved solids	<23,000	U/J/Q6/	<47,000			1	WA								µg/L
Total organic carbon	810	J/E6/	NDD			1	WA								µg/L
Total organic halogens	<120	U/J/Q/	<120			1	WA								µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA								µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA								µg/L
Trichloroethylene	7.0	//		n		1	WA								µg/L
Trichlorofluoromethane	0.94	J/E/	NDD			1	WA								µg/L
Tritium	4.5E+02	//		n		1	TM								pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA								µg/L
Zinc, total recoverable	<53	U//	<53			1	WA								µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 10AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76997.9 E56990.5	33.289057 *N 81.666300 *W	90.8-80.8 ft msl	300.7 ft msl	4" PVC	S	L. Congaree (IIA)

SAMPLE DATE 11/09/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		157.6	ft msl
pH		8.6	pH
Sp. conductance		180	µS/cm
Water temperature		19.3	*C
Alkalinity as CaCO ₃		80	mg/L
Turbidity		1	NTU
Volumes purged		2.6	Well vol
Sampling code			

ANALYTICAL DATA

Constituents	2Q98	Mod	Filt.	ST	H	DF	Lab	4Q98	Mod	Filt.	ST	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								95,000	//					1	WA µg/L
Aluminum, total recoverable								<150	U//	<150				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								64	//					1	WA µg/L
Benzene								<5.0	JU/Q/	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	JU/Q/	<5.0				1	WA µg/L
Bromoform								<5.0	JU/Q/	<5.0				1	WA µg/L
Bromomethane								<10	JU/Q/	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	JU/Q/	<5.0				1	WA µg/L
Carbon-14								<1.9E+01	U//	<1.8E+02				1	TM pCi/L
Chlorobenzene								<5.0	JU/Q/	<5.0				1	WA µg/L
Chloroethane								<10	JU/Q/	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	JU/Q/	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	JU/Q/	<10				1	WA µg/L
Chloroform								<5.0	JU/Q/	<5.0				1	WA µg/L
Chloromethane								<10	JU/Q/	<10				1	WA µg/L
Chromium, total recoverable								1.4	J//	NDD				1	WA µg/L
Copper, total recoverable								<15	U//	<15				1	WA µg/L
Dibromochloromethane								<5.0	JU/Q/	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	JU/Q/	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	JU/Q/	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	JU/Q/	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	JU/Q/	<5.0				1	WA µg/L
Dichloromethane								<5.0	JU/Q/	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	JU/Q/	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	JU/Q/	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	JU/Q/	<5.0				1	WA µg/L
Ethylbenzene								<5.0	JU/Q/	<5.0				1	WA µg/L
Gross alpha								2.1E+00	J//	NDD				1	TM pCi/L
Iron, total recoverable								<34	U//	<74				1	WA µg/L
Lead, total recoverable								14	J//	NDD				1	WA µg/L
Lithium, total recoverable								40	//					1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								3.3E+00	J//	NDD				1	TM pCi/L
Phenols								<37	JU/Q/	<37				1	WA µg/L
Radium, total alpha-emitting								7.5E-01	J//	NDD				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<1.5E-01	U//	<1.2E+00				1	TM pCi/L
Sulfate								5,900	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	JU/Q/	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	JU/Q/	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	JU/Q/	<5.0				1	WA µg/L
Total dissolved solids								120,000	J//	NDD				1	WA µg/L
Total organic carbon								180	J//	NDD				1	WA µg/L
Total organic halogens								<120	U//	<120				1	WA µg/L
1,1,1-Trichloroethane								<5.0	JU/Q/	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	JU/Q/	<5.0				1	WA µg/L
Trichloroethylene								<5.0	JU/Q/	<5.0				1	WA µg/L
Trichlorofluoromethane								<5.0	JU/Q/	<5.0				1	WA µg/L
Tritium								<1.1E-01	U//	<8.8E-01				1	TM pCi/mL
Xylenes								<5.0	JU/Q/	<5.0				1	WA µg/L
Zinc, total recoverable								<53	U//	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 16AR

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

SAMPLE DATE 05/11/98 11/10/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	162.0	161.1	ft msl
pH	7.9	6.7	pH
Sp. conductance	160	140	µS/cm
Water temperature	21.9	20.7	*C
Alkalinity as CaCO3	70	63	mg/L
Turbidity	1	2	NTU
Volumes purged	3.0	3.7	Well vol
Sampling code			

ANALYTICAL DATA

Constituents	2Q98	Mod	Filt.	ST	H	DF	Lab	4Q98	Mod	Filt.	ST	H	DF	Lab	Unit
Alkalinity (as CaCO3)	82,000	//				1	WA	40,000	//				1	WA	µg/L
Aluminum, total recoverable						1	WA	<150	U//	<150			1	WA	µg/L
Antimony, total recoverable	<27	U//	<27			1	WA	<27	U//	<27			1	WA	µg/L
Arsenic, total recoverable	<40	U//	<40			1	WA	<40	U//	<40			1	WA	µg/L
Barium, total recoverable	38	N//				1	WA	38	//				1	WA	µg/L
Benzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Boron, total recoverable	75	J/E/	NDD			1	WA	<270	U//	<270			1	WA	µg/L
Bromodichloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromoform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Bromomethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Cadmium, total recoverable	<4.7	U//	<4.7			1	WA	<4.7	U//	<4.7			1	WA	µg/L
Carbon tetrachloride	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Carbon-14	<-9.9E+00	U//	<-1.8E+02			1	TM	<-8.6E+01	U//	<-1.7E+02			1	TM	pCi/L
Chlorobenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloroethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroethene (Vinyl chloride)	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
2-Chloroethyl vinyl ether	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chloroform	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Chloromethane	<10	U//	<10			1	WA	<10	U//	<10			1	WA	µg/L
Chromium, total recoverable	<7.0	U//	<7.0			1	WA	2.0	J//	NDD			1	WA	µg/L
Copper, total recoverable	15	N//				1	WA	1.7	J//	NDD			1	WA	µg/L
Dibromochloromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1-Dichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,2-Dichloroethylene	<5.0	U//	<5.0			1	WA						1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0			1	WA	µg/L
Dichloromethane	<1.0	U//	<5.0			1	WA	<1.3	U//	<5.0			1	WA	µg/L
1,2-Dichloropropane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
cis-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
trans-1,3-Dichloropropene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Ethylbenzene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Gross alpha	1.4E+00	//				1	TM	1.4E+00	J//	NDD			1	TM	pCi/L
Iron, total recoverable								25	J//	NDD			1	WA	µg/L
Lead, total recoverable	<47	U//	<47			1	WA	<47	U//	<47			1	WA	µg/L
Lithium, total recoverable	<2.5	U//	<2.7			1	WA	1.9	J//	NDD			1	WA	µg/L
Mercury, total recoverable	<0.70	U//	<0.70			1	WA	<0.70	U//	<0.70			1	WA	µg/L
Nickel, total recoverable	<86	U//	<26			1	WA	<26	U//	<26			1	WA	µg/L
Nonvolatile beta	2.5E+00	//				1	TM	<1.3E+00	U//	<1.8E+00			1	WA	µg/L
Phenols	<36	U//	<36			1	WA	<37	JU/Q/	<37			1	WA	µg/L
Radium, total alpha-emitting	<3.6E+00	U//	<3.9E-01			1	TM	<2.4E-01	U//	<7.3E-01			1	TM	pCi/L
Selenium, total recoverable	<66	U//	<66			1	WA	<66	U//	<66			1	WA	µg/L
Silver, total recoverable	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Strontium-90	1.4E+00	//				1	TM	<-7.4E-01	U//	<1.3E+00			1	TM	pCi/L
Sulfate	1,300	J/Q/2	NDD			1	WA	1,200	//				1	WA	µg/L
1,1,2,2-Tetrachloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tetrachloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Tin, total recoverable	<70	U//	<70			1	WA	<70	U//	<70			1	WA	µg/L
Toluene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Total dissolved solids	<8,000	U//	<47,000			1	WA	110,000	J/Q/	NDD			1	WA	µg/L
Total organic carbon	16,000	N//				1	WA	1,600	//				1	WA	µg/L
Total organic halogens	<120	U//	<120			1	WA	<120	U//	<120			1	WA	µg/L
1,1,1-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
1,1,2-Trichloroethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichloroethylene	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trichlorofluoromethane	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Trinitium	<1.3E-01	U//	<8.4E-01			1	TM	<4.2E-01	U//	<8.9E-01			1	TM	pCi/mL
Xylenes	<5.0	U//	<5.0			1	WA	<5.0	U//	<5.0			1	WA	µg/L
Zinc, total recoverable	<53	U//	<53			1	WA	<53	U//	<53			1	WA	µg/L

Notes. Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 18A

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

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

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	162.4	161.1	ft msl
pH	7.2	6.3	pH
Sp. conductance	160	160	µS/cm
Water temperature	21.0	19.0	*C
Alkalinity as CaCO3	73	54	mg/L
Turbidity	1	1	NTU
Volumes purged	2.9	3.7	Well vol
Sampling code			

ANALYTICAL DATA

Constituents	2Q98	Mod	Filt.	ST	H	DF	Lab	4Q98	Mod	Filt.	ST	H	DF	Lab	Unit
Alkalinity (as CaCO3)								79,000	//		1			WA	µg/L
Aluminum, total recoverable								<150	U//	<150	1			WA	µg/L
Antimony, total recoverable								<27	U//	<27	1			WA	µg/L
Arsenic, total recoverable								<40	U//	<40	1			WA	µg/L
Barium, total recoverable								29	//		1			WA	µg/L
Benzene								<5.0	U//	<5.0	1			WA	µg/L
Boron, total recoverable								<270	U//	<270	1			WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0	1			WA	µg/L
Bromoform								<5.0	U//	<5.0	1			WA	µg/L
Bromomethane								<10	U//	<10	1			WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7	1			WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0	1			WA	µg/L
Carbon-14								<4.6E+01	U//	<1.8E+02	1			TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0	1			WA	µg/L
Chloroethane								<10	U//	<10	1			WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10	1			WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10	1			WA	µg/L
Chloroform								<5.0	U//	<5.0	1			WA	µg/L
Chloromethane								<10	U//	<10	1			WA	µg/L
Chromium, total recoverable								<7.0	U//	<7.0	1			WA	µg/L
Copper, total recoverable								<15	U//	<15	1			WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0	1			WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0	1			WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0	1			WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0	1			WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0	1			WA	µg/L
Dichloromethane								<5.0	U//	<5.0	1			WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0	1			WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0	1			WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0	1			WA	µg/L
Ethylbenzene								<5.0	U//	<5.0	1			WA	µg/L
Gross alpha								1.5E+00	J//	NDD	1			TM	pCi/L
Iron, total recoverable								<30	U//	<74	1			WA	µg/L
Lead, total recoverable								<47	U//	<47	1			WA	µg/L
Lithium, total recoverable								4.5	//		1			WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70	1			WA	µg/L
Nickel, total recoverable								<26	U//	<26	1			WA	µg/L
Nonvolatile beta								<1.4E+00	U//	<1.7E+00	1			TM	pCi/L
Phenols								<37	U//	<37	1			WA	µg/L
Radium, total alpha-emitting								<7.3E-01	U//	<8.7E-01	1			TM	pCi/L
Selenium, total recoverable								<66	U//	<66	1			WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0	1			WA	µg/L
Strontium-90								<1.3E-01	U//	<1.3E+00	1			TM	pCi/L
Sulfate								7,800	//		1			WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0	1			WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0	1			WA	µg/L
Tin, total recoverable								<70	U//	<70	1			WA	µg/L
Toluene								<5.0	U//	<5.0	1			WA	µg/L
Total dissolved solids								<50,000	JU/Q/	<500	1			WA	µg/L
Total organic carbon								690	J//	NDD	1			WA	µg/L
Total organic halogens								<120	U//	<120	1			WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0	1			WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0	1			WA	µg/L
Trichloroethylene								<5.0	U//	<5.0	1			WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0	1			WA	µg/L
Trium								<4.0E-01	U//	<5.7E-01	1			TM	pCi/mL
Xylenes								<5.0	U//	<5.0	1			WA	µg/L
Zinc, total recoverable								<53	U//	<53	1			WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 27C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N75666 3 E54671.4	33.282328 *N 81.669820 *W	163.9-154.9 ft msl	276 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE 12/01/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		221.3	ft msl
pH		7.2	pH
Sp. conductance		130	µS/cm
Water temperature		19.7	*C
Alkalinity as CaCO3		41	mg/L
Turbidity		1	NTU
Volumes purged		3.4	Well vol
Sampling code			

ANALYTICAL DATA

Constituents	2Q98	Mod	Filt	ST	H	DF	Lab	4Q98	Mod	Filt	ST	H	DF	Lab	Unit
Alkalinity (as CaCO3)								58,000	//					1	WA µg/L
Aluminum, total recoverable								82	J//	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								8.0	//					1	WA µg/L
Benzene								<5.0	U//	<5.0				1	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA µg/L
Bromoform								<5.0	U//	<5.0				1	WA µg/L
Bromomethane								<10	U//	<10				1	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA µg/L
Carbon-14								2.6E+02	R//4	NDD				1	TM pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA µg/L
Chloroethane								<10	U//	<10				1	WA µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA µg/L
Chloroform								<5.0	U//	<5.0				1	WA µg/L
Chloromethane								<10	U//	<10				1	WA µg/L
Chromium, total recoverable								1.8	J//	NDD				1	WA µg/L
Copper, total recoverable								11	J//	NDD				1	WA µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA µg/L
Dichloromethane								<2.8	U//	<5.0				1	WA µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA µg/L
Gross alpha								9.7E-01	J//	NDD				1	TM pCi/L
Iron, total recoverable								80	J//					1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								0.62	J//	NDD				1	WA µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Nonvolatile beta								<-3.3E-01	U//	<1.5E+00				1	TM pCi/L
Phenols								<37	U//	<37				1	WA µg/L
Radium, total alpha-emitting								<1.2E+00	U//	<1.6E+00				1	TM pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Strontium-90								<-3.6E-01	U//	<1.2E+00				1	TM pCi/L
Sulfate								420	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<5.0	U//	<5.0				1	WA µg/L
Total dissolved solids								64,000	J/QJ	NDD				1	WA µg/L
Total organic carbon								170	J//	NDD				1	WA µg/L
Total organic halogens								29	J//	NDD				1	WA µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA µg/L
Trichloroethylene								30	//					1	WA µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA µg/L
Tritium								2.0E+02	//					1	TM pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA µg/L
Zinc, total recoverable								<53	U//	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 37C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73498.2 E57279.2	33.281787 °N 81.658741 °W	178.8-168.8 ft msl	286.3 ft msl	4" PVC	S	McBean (IIB1)

SAMPLE DATE

11/30/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		230.5	ft. msl
pH		4.2	pH
Sp. conductance		46	µS/cm
Water temperature		20.6	°C
Alkalinity as CaCO ₃		0	mg/L
Turbidity		1	NTU
Volumes purged		4.0	Well vol
Sampling code			

ANALYTICAL DATA

Constituents	2Q98	Mod	Filt.	ST	H	DF	Lab	4Q98	Mod	Filt.	ST	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								<13,000	U//	<130				10	WA µg/L
Aluminum, total recoverable								48	J//	NDD				1	WA µg/L
Antimony, total recoverable								<27	U//	<27				1	WA µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA µg/L
Barium, total recoverable								11	//					1	WA µg/L
Benzene								<50	U//	<50				10	WA µg/L
Boron, total recoverable								<270	U//	<270				1	WA µg/L
Bromodichloromethane								<50	U//	<50				10	WA µg/L
Bromoform								<50	U//	<50				10	WA µg/L
Bromomethane								<100	U//	<100				10	WA µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA µg/L
Carbon tetrachloride								<50	U//	<50				10	WA µg/L
Chlorobenzene								<50	U//	<50				10	WA µg/L
Chloroethane								<100	U//	<100				10	WA µg/L
Chloroethene (Vinyl chloride)								11	J//	NDD				10	WA µg/L
2-Chloroethyl vinyl ether								<100	U//	<100				10	WA µg/L
Chloroform								110	//					10	WA µg/L
Chloromethane								<100	U//	<100				10	WA µg/L
Chromium, total recoverable								<0.90	U//	<7.0				1	WA µg/L
Copper, total recoverable								15	J//	NDD				1	WA µg/L
Dibromochloromethane								<50	U//	<50				10	WA µg/L
1,1-Dichloroethane								72	//					10	WA µg/L
1,2-Dichloroethane								<50	U//	<50				10	WA µg/L
1,1-Dichloroethylene								23	J//	NDD				10	WA µg/L
trans-1,2-Dichloroethylene								<50	U//	<50				10	WA µg/L
Dichloromethane								<150	U//	<50				10	WA µg/L
1,2-Dichloropropane								<50	U//	<50				10	WA µg/L
cis-1,3-Dichloropropene								<50	U//	<50				10	WA µg/L
trans-1,3-Dichloropropene								<50	U//	<50				10	WA µg/L
Ethylbenzene								<50	U//	<50				10	WA µg/L
Iron, total recoverable								<25	U//	<74				1	WA µg/L
Lead, total recoverable								<47	U//	<47				1	WA µg/L
Lithium, total recoverable								<0.55	U//	<2.7				1	WA µg/L
Mercury, total recoverable								1.5	//					1	WA µg/L
Nickel, total recoverable								<26	U//	<26				1	WA µg/L
Phenols								<37	U//	<37				1	WA µg/L
Selenium, total recoverable								<66	U//	<66				1	WA µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA µg/L
Sulfate								370	//					1	WA µg/L
1,1,2,2-Tetrachloroethane								<50	U//	<50				10	WA µg/L
Tetrachloroethylene								24	J//	NDD				10	WA µg/L
Tin, total recoverable								<70	U//	<70				1	WA µg/L
Toluene								<50	U//	<50				10	WA µg/L
Total dissolved solids								20,000	J//	NDD				1	WA µg/L
Total organic carbon								930	J//	NDD				1	WA µg/L
Total organic halogens								1,700	//					10	WA µg/L
1,1,1-Trichloroethane								<50	U//	<50				10	WA µg/L
1,1,2-Trichloroethane								<50	U//	<50				10	WA µg/L
Trichloroethylene								700	//					10	WA µg/L
Trichlorofluoromethane								<50	U//	<50				10	WA µg/L
Xylenes								<50	U//	<50				10	WA µg/L
Zinc, total recoverable								<53	U//	<53				1	WA µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 44A

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

SAMPLE DATE

11/12/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		138.9	ft msl
pH		6.7	pH
Sp. conductance		160	µS/cm
Water temperature		19.0	°C
Alkalinity as CaCO ₃		72	mg/L
Turbidity		1	NTU
Volumes purged		3.7	Well vol
Sampling code			

ANALYTICAL DATA

Constituents	2Q98	Mod	Filt.	ST	H	DF	Lab	4Q98	Mod	Filt.	ST	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								79,000	//		1			WA	µg/L
Aluminum, total recoverable								<150	U//	<150	1			WA	µg/L
Antimony, total recoverable								<27	U//	<27	1			WA	µg/L
Arsenic, total recoverable								<40	U//	<40	1			WA	µg/L
Barium, total recoverable								35	//		1			WA	µg/L
Benzene								<5.0	U//	<5.0	1			WA	µg/L
Boron, total recoverable								<270	U//	<270	1			WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0	1			WA	µg/L
Bromoform								<5.0	U//	<5.0	1			WA	µg/L
Bromomethane								<10	U//	<10	1			WA	µg/L
Cadmium, total recoverable								0.49	J//	NDD	1			WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0	1			WA	µg/L
Carbon-14								<1.0E+02	U//	<1.8E+02	1			TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0	1			WA	µg/L
Chloroethane								<10	U//	<10	1			WA	µg/L
Chloroethene								<10	U//	<10	1			WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10	1			WA	µg/L
Chloroform								<5.0	U//	<5.0	1			WA	µg/L
Chloromethane								<10	U//	<10	1			WA	µg/L
Chromium, total recoverable								<7.0	U//	<7.0	1			WA	µg/L
Copper, total recoverable								<15	U//	<15	1			WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0	1			WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0	1			WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0	1			WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0	1			WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0	1			WA	µg/L
Dichloromethane								<5.0	U//	<5.0	1			WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0	1			WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0	1			WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0	1			WA	µg/L
Ethylbenzene								<5.0	U//	<5.0	1			WA	µg/L
Gross alpha								1.8E+00	J//	NDD	1			TM	pCi/L
Iron, total recoverable								<17	U//	<74	1			WA	µg/L
Lead, total recoverable								<47	U//	<47	1			WA	µg/L
Lithium, total recoverable								7.8	//		1			WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70	1			WA	µg/L
Nickel, total recoverable								<26	U//	<26	1			WA	µg/L
Nonvolatile beta								<1.6E+00	U//	<1.7E+00	1			TM	pCi/L
Phenols								<37	U//	<37	1			WA	µg/L
Radium, total alpha-emitting								8.7E-01	J//	NDD	1			TM	pCi/L
Selenium, total recoverable								<66	U//	<66	1			WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0	1			WA	µg/L
Strontium-90								<4.3E-01	U//	<1.4E+00	1			TM	pCi/L
Sulfate								5,300	//		1			WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0	1			WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0	1			WA	µg/L
Tin, total recoverable								<70	U//	<70	1			WA	µg/L
Toluene								<5.0	U//	<5.0	1			WA	µg/L
Total dissolved solids								110,000	J/Q/	NDD	1			WA	µg/L
Total organic carbon								280	J//	NDD	1			WA	µg/L
Total organic halogens								<120	U//	<120	1			WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0	1			WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0	1			WA	µg/L
Trichloroethylene								<5.0	U//	<5.0	1			WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0	1			WA	µg/L
Tritium								<4.4E-01	U//	<5.6E-01	1			TM	pCi/mL
Xylenes								<5.0	U//	<5.0	1			WA	µg/L
Zinc, total recoverable								<53	U//	<53	1			WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 47A

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N74728.8 E54914.0	33.280650 °N 81.667360 °W	96.8-86.8 ft msl	266.9 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE 11/18/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		162.5	ft msl
pH		10.8	pH
Sp. conductance		255	µS/cm
Water temperature		19.5	°C
Alkalinity as CaCO ₃		94	mg/L
Turbidity		1	NTU
Volumes purged		2.8	Well vol
Sampling code			

ANALYTICAL DATA

Constituents	2Q98	Mod	Filt.	ST	H	DF	Lab	4Q98	Mod	Filt.	ST	H	DF	Lab	Unit	
Alkalinity (as CaCO ₃)								94.000	//					1	WA	µg/L
Aluminum, total recoverable								360	//					1	WA	µg/L
Antimony, total recoverable								<27	U//	<27				1	WA	µg/L
Arsenic, total recoverable								<40	U//	<40				1	WA	µg/L
Barium, total recoverable								83	//					1	WA	µg/L
Benzene								<5.0	U//	<5.0				1	WA	µg/L
Boron, total recoverable								<270	U//	<270				1	WA	µg/L
Bromodichloromethane								<5.0	U//	<5.0				1	WA	µg/L
Bromoform								<5.0	U//	<5.0				1	WA	µg/L
Bromomethane								<10	U//	<10				1	WA	µg/L
Cadmium, total recoverable								<4.7	U//	<4.7				1	WA	µg/L
Carbon tetrachloride								<5.0	U//	<5.0				1	WA	µg/L
Carbon-14								<9.6E+01	U//	<1.9E+02				1	TM	pCi/L
Chlorobenzene								<5.0	U//	<5.0				1	WA	µg/L
Chloroethane								<10	U//	<10				1	WA	µg/L
Chloroethene (Vinyl chloride)								<10	U//	<10				1	WA	µg/L
2-Chloroethyl vinyl ether								<10	U//	<10				1	WA	µg/L
Chloroform								<5.0	U//	<5.0				1	WA	µg/L
Chloromethane								<10	U//	<10				1	WA	µg/L
Chromium, total recoverable								<1.8	U//	<7.0				1	WA	µg/L
Copper, total recoverable								<15	U//	<15				1	WA	µg/L
Dibromochloromethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,2-Dichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,2-Dichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Dichloromethane								<12	U//	<5.0				1	WA	µg/L
1,2-Dichloropropane								<5.0	U//	<5.0				1	WA	µg/L
cis-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
trans-1,3-Dichloropropene								<5.0	U//	<5.0				1	WA	µg/L
Ethylbenzene								<5.0	U//	<5.0				1	WA	µg/L
Gross alpha								2.2E+00	J//	NDD				1	TM	pCi/L
Iron, total recoverable								<23	U//	<74				1	WA	µg/L
Lead, total recoverable								<47	U//	<47				1	WA	µg/L
Lithium, total recoverable								35	J//					1	WA	µg/L
Mercury, total recoverable								<0.70	U//	<0.70				1	WA	µg/L
Nickel, total recoverable								<26	U//	<26				1	WA	µg/L
Nonvolatile beta								2.1E+00	J//	NDD				1	TM	pCi/L
Phenols								<37	U//	<37				1	WA	µg/L
Radium, total alpha-emitting								<3.3E-01	U//	<5.0E-01				1	TM	pCi/L
Selenium, total recoverable								<66	U//	<66				1	WA	µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	WA	µg/L
Strontium-90								<1.6E-01	U//	<1.4E+00				1	TM	pCi/L
Sulfate								5,600	//					1	WA	µg/L
1,1,2,2-Tetrachloroethane								<5.0	U//	<5.0				1	WA	µg/L
Tetrachloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Tin, total recoverable								<70	U//	<70				1	WA	µg/L
Toluene								<5.0	U//	<5.0				1	WA	µg/L
Total dissolved solids								140,000	J//	NDD				1	WA	µg/L
Total organic carbon								880	J//	NDD				1	WA	µg/L
Total organic halogens								<120	U//	<120				1	WA	µg/L
1,1,1-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
1,1,2-Trichloroethane								<5.0	U//	<5.0				1	WA	µg/L
Trichloroethylene								<5.0	U//	<5.0				1	WA	µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	WA	µg/L
Tritium								1.2E+01	//					1	TM	pCi/mL
Xylenes								<5.0	U//	<5.0				1	WA	µg/L
Zinc, total recoverable								<53	U//	<53				1	WA	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

Table D-5. Groundwater Monitoring Results for Individual Wells, Duplicate

WELL BGO 7D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76494.5 E57917.2	33.289455 °N 81.662882 °W	240.2-220.2 ft msl	287 ft msl	4" PVC	S	Water Table (IIB2)

SAMPLE DATE 05/04/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	230.8		ft msl
pH	4.6		pH
Sp. conductance	22		µS/cm
Water temperature	16.0		°C
Alkalinity as CaCO ₃	0		mg/L
Turbidity	2		NTU
Volumes purged	25		Well vol
Sampling code			

ANALYTICAL DATA

Constituents	2Q98	Mod	Filt	ST	H	DF	Lab	4Q98	Mod	Filt	ST	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)	<1,000	U//	<1,000			1	GE								µg/L
Antimony, total recoverable	<10	U//	<10			1	GE								µg/L
Arsenic, total recoverable	<5.0	U//	<5.0			1	GE								µg/L
Barium, total recoverable	7.4	//				1	GE								µg/L
Benzene	<1.0	U//O/	<1.0			1	GE								µg/L
Boron, total recoverable	<50	U//	<50			1	GE								µg/L
Bromodichloromethane	<1.0	U//O/	<1.0			1	GE								µg/L
Bromoform	<1.0	U//O/	<1.0			1	GE								µg/L
Bromomethane	3.3	J/O/	NDD			1	GE								µg/L
Cadmium, total recoverable	<5.0	U//	<5.0			1	GE								µg/L
Carbon tetrachloride	<1.0	U//O/	<1.0			1	GE								µg/L
Carbon-14	<-1.7E+00	U//	<1.5E+01			1	GP								pCi/L
Chlorobenzene	<1.0	U//O/	<1.0			1	GE								µg/L
Chloroethane	<1.0	U//O/	<1.0			1	GE								µg/L
Chloroethene (Vinyl chloride)	<1.0	U//O/	<1.0			1	GE								µg/L
2-Chloroethyl vinyl ether	<5.0	U//O/	<5.0			1	GE								µg/L
Chloroform	<1.0	U//O/	<1.0			1	GE								µg/L
Chloromethane	<1.0	U//O/	<1.0			1	GE								µg/L
Chromium, total recoverable	<5.0	U//	<5.0			1	GE								µg/L
Copper, total recoverable	<5.0	U//	<5.0			1	GE								µg/L
Dibromochloromethane	<1.0	U//O/	<1.0			1	GE								µg/L
1,1-Dichloroethane	<1.0	U//O/	<1.0			1	GE								µg/L
1,2-Dichloroethane	<1.0	U//O/	<1.0			1	GE								µg/L
1,1-Dichloroethylene	<1.0	U//O/	<1.0			1	GE								µg/L
trans-1,2-Dichloroethylene	<1.0	U//O/	<1.0			1	GE								µg/L
Dichloromethane	<5.2	U//O//	<1.0			1	GE								µg/L
1,2-Dichloropropane	<1.0	U//O/	<1.0			1	GE								µg/L
cis-1,3-Dichloropropene	<1.0	U//O/	<1.0			1	GE								µg/L
trans-1,3-Dichloropropene	<1.0	U//O/	<1.0			1	GE								µg/L
Ethylbenzene	<1.0	U//O/	<1.0			1	GE								µg/L
Gross alpha	2.8E+00	//				1	GP								µg/L
Lead, total recoverable	<5.0	U//	<5.0			1	GE								pCi/L
Lithium, total recoverable	0.41	J/E/	NDD			1	GE								µg/L
Mercury, total recoverable	3.5	//				1	GE								µg/L
Nickel, total recoverable	<5.0	U//	<5.0			1	GE								µg/L
Nonvolatile beta	1.3E+00	//				1	GP								pCi/L
Phenols	<5.0	U//	<5.0			1	GE								µg/L
Radium, total alpha-emitting	6.0E-01	//				1	GP								pCi/L
Selenium, total recoverable	<5.0	U//	<5.0			1	GE								µg/L
Silver, total recoverable	<0.80	U//	<5.0			1	GE								µg/L
Strontium-90	<6.6E-01	U//	<8.5E-01			1	GP								pCi/L
Sulfate	720	//				1	GE								µg/L
1,1,2,2-Tetrachloroethane	<1.0	U//O/	<1.0			1	GE								µg/L
Tetrachloroethylene	0.60	J/E/O/	NDD			1	GE								µg/L
Tin, total recoverable	<10	U//	<10			1	GE								µg/L
Toluene	<1.0	U//O/	<1.0			1	GE								µg/L
Total dissolved solids	<24,000	U//	<10,000			1	GE								µg/L
Total organic carbon	<5,000	U//	<5,000			1	GE								µg/L
Total organic halogens	<7.1	U//	<10			1	GE								µg/L
1,1,1-Trichloroethane	<1.0	U//O/	<1.0			1	GE								µg/L
1,1,2-Trichloroethane	<1.0	U//O/	<1.0			1	GE								µg/L
Trichloroethylene	5.5	J/O/	NDD			1	GE								µg/L
Trichlorofluoromethane	<1.0	U//O/	<1.0			1	GE								µg/L
Tritium	4.1E+02	//				1	GP								pCi/mL
Zinc, total recoverable	<2.2	U//	<5.0			1	GE								µg/L

WELL BGO 10AA

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N76997.9 E56990.5	33.289057 °N 81.666300 °W	90.8-80.8 ft msl	300.7 ft msl	4" PVC	S	L. Congaree (IIA)

SAMPLE DATE 11/09/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		157.6	ft msl
pH		8.6	pH
Sp. conductance		180	µS/cm
Water temperature		19.3	°C
Alkalinity as CaCO ₃		80	mg/L
Turbidity		1	NTU
Volumes purged		2.6	Well vol
Sampling code			

ANALYTICAL DATA

Constituents	2Q98	Mod	Filt	ST	H	DF	Lab	4Q98	Mod	Filt	ST	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								84,000	//					1	GE µg/L
Aluminum, total recoverable								<50	U//	<50				1	GE µg/L
Antimony, total recoverable								<10	U//	<10				1	GE µg/L
Arsenic, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Barium, total recoverable								62	//					1	GE µg/L
Benzene								<1.0	U//	<1.0				1	GE µg/L
Boron, total recoverable								10	J//	NDD				1	GE µg/L
Bromodichloromethane								<1.0	U//	<1.0				1	GE µg/L
Bromoform								<1.0	U//	<1.0				1	GE µg/L
Bromomethane)								<1.0	U//	<1.0				1	GE µg/L
Cadmium, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Carbon tetrachloride								<1.0	U//	<1.0				1	GE µg/L
Carbon-14								<7.0E-01	U//	<9.4E+00				1	GE pCi/L
Chlorobenzene								<1.0	U//	<1.0				1	GE µg/L
Chloroethane								<1.0	U//	<1.0				1	GE µg/L
Chloroethene (Vinyl chloride)								<1.0	U//	<1.0				1	GE µg/L
2-Chloroethyl vinyl ether								<5.0	U//	<5.0				1	GE µg/L
Chloroform								<1.0	U//	<1.0				1	GE µg/L
Chloromethane								<1.0	U//	<1.0				1	GE µg/L
Chromium, total recoverable								0.65	J//	NDD				1	GE µg/L
Copper, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Dibromochloromethane								<1.0	U//	<1.0				1	GE µg/L
1,1-Dichloroethane								<1.0	U//	<1.0				1	GE µg/L
1,2-Dichloroethane								<1.0	U//	<1.0				1	GE µg/L
1,1-Dichloroethylene								<1.0	U//	<1.0				1	GE µg/L
trans-1,2-Dichloroethylene								<1.0	U//	<1.0				1	GE µg/L
Dichloromethane								<5.0	U//	<5.0				1	GE µg/L
1,2-Dichloropropane								<1.0	U//	<1.0				1	GE µg/L
cis-1,3-Dichloropropene								<1.0	U//	<1.0				1	GE µg/L
trans-1,3-Dichloropropene								<1.0	U//	<1.0				1	GE µg/L
Ethylbenzene								<1.0	U//	<1.0				1	GE µg/L
Gross alpha								1.2E+00	J//	NDD				1	GE pCi/L
Iron, total recoverable								<50	U//	<50				1	GE µg/L
Lead, total recoverable								12	//					1	GE µg/L
Lithium, total recoverable								35	//					1	GE µg/L
Mercury, total recoverable								<0.20	U//	<0.20				1	GE µg/L
Nickel, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Nonvolatile beta								<3.2E+00	U//	<2.4E+00				1	GE pCi/L
Phenols								<5.0	U//	<5.0				1	GE µg/L
Radium, total alpha-emitting								4.0E-01	J//	NDD				1	GE pCi/L
Selenium, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Strontium-90								<6.0E-02	U//	<1.1E+00				1	GE pCi/L
Sulfate								6,200	//					1	GE µg/L
1,1,2,2-Tetrachloroethane								<1.0	U//	<1.0				1	GE µg/L
Tetrachloroethylene								<1.0	U//	<1.0				1	GE µg/L
Tin, total recoverable								<10	U//	<10				1	GE µg/L
Toluene								<1.0	U//	<1.0				1	GE µg/L
Total dissolved solids								130,000	//					1	GE µg/L
Total organic carbon								3,800	J//	NDD				1	GE µg/L
Total organic halogens								<10	U//	<10				1	GE µg/L
1,1,1-Trichloroethane								<1.0	U//	<1.0				1	GE µg/L
1,1,2-Trichloroethane								<1.0	U//	<1.0				1	GE µg/L
Trichloroethylene								<1.0	U//	<1.0				1	GE µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	GE µg/L
Trilium								<2.6E-01	U//	<6.6E-01				1	GE pCi/mL
Zinc, total recoverable								3.6	J//	NDD				1	GE µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 16AR

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

SAMPLE DATE 05/11/98 11/10/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation	162.0	161.1	ft msl
pH	7.9	6.7	pH
Sp. conductance	160	140	µS/cm
Water temperature	21.9	20.7	°C
Alkalinity as CaCO3	70	63	mg/L
Turbidity	1	2	NTU
Volumes purged	3.0	3.7	Well vol
Sampling code			

ANALYTICAL DATA

Constituents	2Q98	Mod	Filt.	ST	H	DF	Lab	4Q98	Mod	Filt.	ST	H	DF	Lab	Unit
Alkalinity (as CaCO3)	85,000	//				1	GE	75,000	//				1	GE	µg/L
Aluminum, total recoverable						1	GE	<50	U//	<50			1	GE	µg/L
Antimony, total recoverable	<10	U//	<10			1	GE	<10	U//	<10			1	GE	µg/L
Arsenic, total recoverable	<5.0	U//	<5.0			1	GE	<5.0	U//	<5.0			1	GE	µg/L
Barium, total recoverable	36	N//				1	GE	38	//				1	GE	µg/L
Benzene	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Boron, total recoverable	<50	U//	<50			1	GE	10	J//	NDD			1	GE	µg/L
Bromodichloromethane	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Bromoform	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Bromomethane	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Cadmium, total recoverable	<5.0	U//	<5.0			1	GE	<5.0	U//	<5.0			1	GE	µg/L
Carbon tetrachloride	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Carbon-14	<5.6E+00	U//	<8.8E+00			1	GP	<7.0E-01	U//	<9.1E+00			1	GE	pCi/L
Chlorobenzene	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Chloroethane	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Chloroethene (Vinyl chloride)	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
2-Chloroethyl vinyl ether	<5.0	U//	<5.0			1	GE	<5.0	U//	<5.0			1	GE	µg/L
Chloroform	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Chloromethane	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Chromium, total recoverable	2.2	J/E/	NDD			1	GE	1.4	J//	NDD			1	GE	µg/L
Copper, total recoverable	<5.0	U//	<5.0			1	GE	<5.0	U//	<5.0			1	GE	µg/L
Dibromochloromethane	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
1,1-Dichloroethane	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
1,2-Dichloroethane	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
1,1-Dichloroethylene	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
trans-1,2-Dichloroethylene	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Dichloromethane	<0.96	U//	<1.0			1	GE	<5.0	U//	<5.0			1	GE	µg/L
1,2-Dichloropropane	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
cis-1,3-Dichloropropene	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
trans-1,3-Dichloropropene	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Ethylbenzene	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Gross alpha	1.7E+00	//				1	GP	2.3E+00	//				1	GE	pCi/L
Iron, total recoverable						1	GE	<50	U//	<50			1	GE	µg/L
Lead, total recoverable	<5.0	U//	<5.0			1	GE	<5.0	U//	<5.0			1	GE	µg/L
Lithium, total recoverable	2.2	//				1	GE	1.6	J//	NDD			1	GE	µg/L
Mercury, total recoverable	<0.20	U//	<0.20			1	GE	<0.20	U//	<0.20			1	GE	µg/L
Nickel, total recoverable	<5.0	U//	<5.0			1	GE	<5.0	U//	<5.0			1	GE	µg/L
Nonvolatile beta	1.8E+00	//				1	GP	<2.0E+00	U//	<1.2E+00			1	GE	pCi/L
Phenols	<5.0	U//	<5.0			1	GE	<5.0	U//	<5.0			1	GE	µg/L
Radium, total alpha-emitting	<1.0E-01	U//	<4.9E-01			1	GP	<2.0E-01	U//	<3.0E-01			1	GE	pCi/L
Selenium, total recoverable	1.4	J/E/	NDD			1	GE	<5.0	U//	<5.0			1	GE	µg/L
Silver, total recoverable	<5.0	U//	<5.0			1	GE	<5.0	U//	<5.0			1	GE	µg/L
Strontium-90	<3.2E-02	U//	<1.4E+00			1	GP	<1.7E-01	U//	<1.6E+00			1	GE	pCi/L
Sulfate	1,400	//				1	GE	1,100	//				1	GE	µg/L
1,1,2,2-Tetrachloroethane	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Tetrachloroethylene	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Tin, total recoverable	<10	U//	<10			1	GE	<10	U//	<10			1	GE	µg/L
Toluene	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Total dissolved solids	120,000	J//				1	GE	100,000	//				1	GE	µg/L
Total organic carbon	<600	U//	<5,000			1	GE	3,000	J//	NDD			1	GE	µg/L
Total organic halogens	<10	U//	<10			1	GE	<10	U//	<10			1	GE	µg/L
1,1,1-Trichloroethane	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
1,1,2-Trichloroethane	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Trichloroethylene	<1.0	U//	<1.0			1	GE	<1.0	U//	<1.0			1	GE	µg/L
Trichlorofluoromethane	<1.0	U//	<1.0			1	GE	<5.0	U//	<5.0			1	GE	µg/L
Tritium	<3.2E-01	U//	<5.8E-01			1	GP	<1.0E-01	U//	<6.6E-01			1	GE	pCi/mL
Zinc, total recoverable	<4.0	U//	<5.0			1	GE	3.4	J//	NDD			1	GE	µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
 o = exceeded holding time.
 ■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 18A

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

<u>SAMPLE DATE</u>	05/04/98	11/12/98
--------------------	----------	----------

FIELD DATA

<u>Constituents</u>	<u>2Q98</u>	<u>4Q98</u>	<u>Unit</u>
Water elevation	162.4	161.1	ft msl
pH	7.2	6.3	pH
Sp. conductance	160	160	µS/cm
Water temperature	21.0	19.0	°C
Alkalinity as CaCO ₃	73	54	mg/L
Turbidity	1	1	NTU
Volumes purged	2.9	3.7	Well vol
Sampling code			

ANALYTICAL DATA

<u>Constituents</u>	<u>2Q98</u>	<u>Mod</u>	<u>Filt.</u>	<u>ST</u>	<u>H</u>	<u>DF</u>	<u>Lab</u>	<u>4Q98</u>	<u>Mod</u>	<u>Filt.</u>	<u>ST</u>	<u>H</u>	<u>DF</u>	<u>Lab</u>	<u>Unit</u>
Alkalinity (as CaCO ₃)								80,000	//					1	GE µg/L
Aluminum, total recoverable								<50	U//	<50				1	GE µg/L
Antimony, total recoverable								<10	U//	<10				1	GE µg/L
Arsenic, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Barium, total recoverable								30	//					1	GE µg/L
Benzene								<1.0	U//	<1.0				1	GE µg/L
Boron, total recoverable								8.3	J//	NDD				1	GE µg/L
Bromodichloromethane								<1.0	U//	<1.0				1	GE µg/L
Bromoform								<1.0	U//	<1.0				1	GE µg/L
Bromomethane								<1.0	U//	<1.0				1	GE µg/L
Cadmium, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Carbon tetrachloride								<1.0	U//	<1.0				1	GE µg/L
Carbon-14								<2.3E+00	U//	<9.1E+00				1	GE pCi/L
Chlorobenzene								<1.0	U//	<1.0				1	GE µg/L
Chloroethane								<1.0	U//	<1.0				1	GE µg/L
Chloroethene (Vinyl chloride)								<1.0	U//	<1.0				1	GE µg/L
2-Chloroethyl vinyl ether								<5.0	U//	<5.0				1	GE µg/L
Chloroform								<1.0	U//	<1.0				1	GE µg/L
Chloromethane								<1.0	U//	<1.0				1	GE µg/L
Chromium, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Copper, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Dibromochloromethane								<1.0	U//	<1.0				1	GE µg/L
1,1-Dichloroethane								<1.0	U//	<1.0				1	GE µg/L
1,2-Dichloroethane								<1.0	U//	<1.0				1	GE µg/L
1,1-Dichloroethylene								<1.0	U//	<1.0				1	GE µg/L
trans-1,2-Dichloroethylene								<1.0	U//	<1.0				1	GE µg/L
Dichloromethane								3.8	J//	NDD				1	GE µg/L
1,2-Dichloropropane								<1.0	U//	<1.0				1	GE µg/L
cis-1,3-Dichloropropene								<1.0	U//	<1.0				1	GE µg/L
trans-1,3-Dichloropropene								<1.0	U//	<1.0				1	GE µg/L
Ethylbenzene								<1.0	U//	<1.0				1	GE µg/L
Gross alpha								2.2E+00	J//	NDD				1	GE pCi/L
Iron, total recoverable								<50	U//	<50				1	GE µg/L
Lead, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Lithium, total recoverable								3.7	//					1	GE µg/L
Mercury, total recoverable								<0.20	U//	<0.20				1	GE µg/L
Nickel, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Nonvolatile beta								4.1E+00	J//	NDD				1	GE pCi/L
Phenols								<5.0	U//	<5.0				1	GE µg/L
Radium, total alpha-emitting								4.0E-01	J//	NDD				1	GE pCi/L
Selenium, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Silver, total recoverable								2.1	J//	NDD				1	GE µg/L
Strontium-90								<5.0E-04	U//	<1.6E+00				1	GE pCi/L
Sulfate								8,400	//					1	GE µg/L
1,1,2,2-Tetrachloroethane								<1.0	U//	<1.0				1	GE µg/L
Tetrachloroethylene								<1.0	U//	<1.0				1	GE µg/L
Tin, total recoverable								<10	U//	<10				1	GE µg/L
Toluene								<1.0	U//	<1.0				1	GE µg/L
Total dissolved solids								120,000	//					1	GE µg/L
Total organic carbon								1,600	J//	NDD				1	GE µg/L
Total organic halogens								<10	U//	<10				1	GE µg/L
1,1,1-Trichloroethane								<1.0	U//	<1.0				1	GE µg/L
1,1,2-Trichloroethane								<1.0	U//	<1.0				1	GE µg/L
Trichloroethylene								<1.0	U//	<1.0				1	GE µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	GE µg/L
Tritium								<5.3E-01	U//	<6.7E-01				1	GE pCi/mL
Zinc, total recoverable								9.9	//					1	GE µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

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>Pump</u>	<u>Screen Zone</u>
N75666.3 E54671.4	33.282328 °N 81.669820 °W	163.9-154.9 ft msl	276 ft msl	4" PVC	S	McBean (IIB ₁)

SAMPLE DATE 12/01/98

FIELD DATA

<u>Constituents</u>	<u>2Q98</u>	<u>4Q98</u>	<u>Unit</u>
Water elevation		221.3	ft msl
pH		7.2	pH
Sp. conductance		130	µS/cm
Water temperature		19.7	°C
Alkalinity as CaCO ₃		41	mg/L
Turbidity		1	NTU
Volumes purged		3.4	Well vol
Sampling code			

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 37C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Screen Zone
N73498.2 E57279.2	33.281787 °N 81.658741 °W	178.8-168.8 ft msl	286.3 ft msl	4" PVC	S	McBean (IIB ₁)

SAMPLE DATE 11/30/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		230.5	ft msl
pH		4.2	pH
Sp. conductance		46	µS/cm
Water temperature		20.6	°C
Alkalinity as CaCO ₃		0	mg/L
Turbidity		1	NTU
Volumes purged		4.0	Well vol
Sampling code			

ANALYTICAL DATA

Constituents	2Q98	Mod	Filt.	ST	H	DF	Lab	4Q98	Mod	Filt.	ST	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								3,700	//					1	GE µg/L
Aluminum, total recoverable								72	//					1	GE µg/L
Antimony, total recoverable								<10	U//	<10				1	GE µg/L
Arsenic, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Barium, total recoverable								12	//					1	GE µg/L
Benzene								0.81	J//	NDD				1	GE µg/L
Boron, total recoverable								<8.9	JU//V//	<50				1	GE µg/L
Bromodichloromethane								<1.0	U//	<1.0				1	GE µg/L
Bromoform								<1.0	U//	<1.0				1	GE µg/L
Bromomethane								<1.0	U//	<1.0				1	GE µg/L
Cadmium, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Carbon tetrachloride								12	//					1	GE µg/L
Carbon-14								9.4E+01	//					1	GE pCi/L
Chlorobenzene								<1.0	U//	<1.0				1	GE µg/L
Chloroethane								<1.0	U//	<1.0				1	GE µg/L
Chloroethene (Vinyl chloride)								8.5	//					1	GE µg/L
2-Chloroethyl vinyl ether								<5.0	U//	<5.0				1	GE µg/L
Chloroform								150	//				50	GE µg/L	
Chloromethane								<1.0	U//	<1.0				1	GE µg/L
Chromium, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Copper, total recoverable								9.6	//					1	GE µg/L
Dibromochloromethane								<1.0	U//	<1.0				1	GE µg/L
1,1-Dichloroethane								75	//					1	GE µg/L
1,2-Dichloroethane								<1.0	U//	<1.0				1	GE µg/L
1,1-Dichloroethylene								30	//					1	GE µg/L
trans-1,2-Dichloroethylene								2.5	//					1	GE µg/L
Dichloromethane								<5.0	U//	<5.0				1	GE µg/L
1,2-Dichloropropane								<1.0	U//	<1.0				1	GE µg/L
cis-1,3-Dichloropropene								<1.0	U//	<1.0				1	GE µg/L
trans-1,3-Dichloropropene								<1.0	U//	<1.0				1	GE µg/L
Ethylbenzene								<1.0	U//	<1.0				1	GE µg/L
Gross alpha								2.8E+00	//					1	GP pCi/L
Iron, total recoverable								<50	U//	<50				1	GE µg/L
Lead, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Lithium, total recoverable								0.52	J//	NDD				1	GE µg/L
Mercury, total recoverable								1.5	J//V//C	NDD				1	GE µg/L
Nickel, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Nonvolatile beta								<1.3E+00	U//	<1.7E+00				1	GP pCi/L
Phenols								<5.0	U//	<5.0				1	GE µg/L
Radium, total alpha-emitting								1.3E+00	J//	NDD				1	GE pCi/L
Selenium, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Silver, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Strontium-90								<6.0E-01	U//	<1.4E+00				1	GE pCi/L
Sulfate								260	//					1	GE µg/L
1,1,2,2-Tetrachloroethane								<1.0	U//	<1.0				1	GE µg/L
Tetrachloroethylene								34	//					1	GE µg/L
Tin, total recoverable								<10	U//	<10				1	GE µg/L
Toluene								<1.0	U//	<1.0				1	GE µg/L
Total dissolved solids								11,000	J//Q//	NDD				1	GE µg/L
Total organic carbon								4,400	J//	NDD				1	GE µg/L
Total organic halogens								1,300	//				50	GE µg/L	
1,1,1-Trichloroethane								<1.0	U//	<1.0				1	GE µg/L
1,1,2-Trichloroethane								<1.0	U//	<1.0				1	GE µg/L
Trichloroethylene								840	//				50	GE µg/L	
Trichlorofluoromethane								2.1	J//	NDD				1	GE µg/L
Tritium								1.9E+05	//					1	GE pCi/mL
Zinc, total recoverable								5.1	//					1	GE µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

WELL BGO 44A

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

SAMPLE DATE 11/12/98

FIELD DATA

Constituents	2Q98	4Q98	Unit
Water elevation		138.9	ft msl
pH		6.7	pH
Sp. conductance		160	µS/cm
Water temperature		19.0	°C
Alkalinity as CaCO ₃		72	mg/L
Turbidity		1	NTU
Volumes purged		3.7	Well vol
Sampling code			

ANALYTICAL DATA

Constituents	2Q98	Mod	Filt.	ST	H	DF	Lab	4Q98	Mod	Filt.	ST	H	DF	Lab	Unit
Alkalinity (as CaCO ₃)								79,000	//					1	GE µg/L
Aluminum, total recoverable								21	J//	NDD				1	GE µg/L
Antimony, total recoverable								<10	U//	<10				1	GE µg/L
Arsenic, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Barium, total recoverable								36	//					1	GE µg/L
Benzene								<1.0	U//	<1.0				1	GE µg/L
Boron, total recoverable								7.9	J//	NDD				1	GE µg/L
Bromodichloromethane								<1.0	U//	<1.0				1	GE µg/L
Bromoforn								<1.0	U//	<1.0				1	GE µg/L
Bromomethane)								<1.0	U//	<1.0				1	GE µg/L
Cadmium, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Carbon tetrachloride								<1.0	U//	<1.0				1	GE µg/L
Carbon-14								<-2.1E+00	U//	<9.6E+00				1	GE pCi/L
Chlorobenzene								<1.0	U//	<1.0				1	GE µg/L
Chloroethane								<1.0	U//	<1.0				1	GE µg/L
Chloroethene (Vinyl chloride)								<1.0	U//	<1.0				1	GE µg/L
2-Chloroethyl vinyl ether								<5.0	U//	<5.0				1	GE µg/L
Chloroform								<1.0	U//	<1.0				1	GE µg/L
Chloromethane								<1.0	U//	<1.0				1	GE µg/L
Chromium, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Copper, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Dibromochloromethane								<1.0	U//	<1.0				1	GE µg/L
1,1-Dichloroethane								<1.0	U//	<1.0				1	GE µg/L
1,2-Dichloroethane								<1.0	U//	<1.0				1	GE µg/L
1,1-Dichloroethylene								<1.0	U//	<1.0				1	GE µg/L
trans-1,2-Dichloroethylene								<1.0	U//	<1.0				1	GE µg/L
Dichloromethane								<5.0	U//	<5.0				1	GE µg/L
1,2-Dichloropropane								<1.0	U//	<1.0				1	GE µg/L
cis-1,3-Dichloropropene								<1.0	U//	<1.0				1	GE µg/L
trans-1,3-Dichloropropene								<1.0	U//	<1.0				1	GE µg/L
Ethylbenzene								<1.0	U//	<1.0				1	GE µg/L
Gross alpha								1.5E+00	J//	NDD				1	GE pCi/L
Iron, total recoverable								<50	U//	<50				1	GE µg/L
Lead, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Lithium, total recoverable								6.7	//					1	GE µg/L
Mercury, total recoverable								<0.20	U//	<0.20				1	GE µg/L
Nickel, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Nonvolatile beta								<1.6E+00	U//	<2.0E+00				1	GE pCi/L
Phenols								<5.0	U//	<5.0				1	GE µg/L
Radium, total alpha-emitting								<2.0E-01	U//	<3.0E-01				1	GE pCi/L
Selenium, total recoverable								<5.0	U//	<5.0				1	GE µg/L
Silver, total recoverable								2.0	J//L/I	NDD				1	GE µg/L
Strontium-90								<3.4E-01	U//	<1.4E+00				1	GE pCi/L
Sulfate								5,900	//					1	GE µg/L
1,1,2,2-Tetrachloroethane								<1.0	U//	<1.0				1	GE µg/L
Tetrachloroethylene								<1.0	U//	<1.0				1	GE µg/L
Tin, total recoverable								<10	U//	<10				1	GE µg/L
Toluene								<1.0	U//	<1.0				1	GE µg/L
Total dissolved solids								120,000	//					1	GE µg/L
Total organic carbon								2,300	J//	NDD				1	GE µg/L
Total organic halogens								<10	U//	<10				1	GE µg/L
1,1,1-Trichloroethane								<1.0	U//	<1.0				1	GE µg/L
1,1,2-Trichloroethane								<1.0	U//	<1.0				1	GE µg/L
Trichloroethylene								<1.0	U//	<1.0				1	GE µg/L
Trichlorofluoromethane								<5.0	U//	<5.0				1	GE µg/L
Tritium								<-3.7E-01	U//	<6.6E-01				1	GE pCi/mL
Zinc, total recoverable								2.4	J//	NDD				1	GE µg/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent 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>Pump</u>	<u>Screen Zone</u>
N74728.8 E54914.0	33.280650 °N 81.667360 °W	96.8-86.8 ft msl	266.9 ft msl	4" PVC	S	U. Congaree (IIA)

SAMPLE DATE 11/18/98

FIELD DATA

<u>Constituents</u>	<u>2Q98</u>	<u>4Q98</u>	<u>Unit</u>
Water elevation		162.5	ft msl
pH		10.8	pH
Sp. conductance		255	µS/cm
Water temperature		19.5	°C
Alkalinity as CaCO3		94	mg/L
Turbidity		1	NTU
Volumes purged		2.8	Well vol
Sampling code			

ANALYTICAL DATA

<u>Constituents</u>	<u>2Q98</u>	<u>Mod</u>	<u>Filt.</u>	<u>ST</u>	<u>H</u>	<u>DF</u>	<u>Lab</u>	<u>4Q98</u>	<u>Mod</u>	<u>Filt.</u>	<u>ST</u>	<u>H</u>	<u>DF</u>	<u>Lab</u>	<u>Unit</u>
Carbon-14								<8.8E-01	U//	<9.1E+00				1 GE	pCi/L

Notes: Radionuclide results in italics are less than sample quantitation limit.
● = exceeded holding time.
■ = exceeded groundwater protection or monitoring constituent standard.

THIS PAGE LEFT BLANK INTENTIONALLY.

Appendix E

Data Quality/Usability Assessment

THIS PAGE LEFT BLANK INTENTIONALLY.

Data Quality/Usability Assessment

Quality assurance/quality control (QA/QC) procedures relating to accuracy and precision of analyses performed on groundwater samples are followed in the field and laboratory, and QC data are reviewed prior to publication of results. The review by the Environmental Protection Department/ Environmental Monitoring Section (EPD/EMS) of the volume of analytical data acquired each quarter and presented in various reports is an ongoing process; EPD/EMS' review of the QC data cannot be completed in time to meet the deadlines for the groundwater monitoring reports required by the Resource Conservation and Recovery Act and associated regulations. Beginning first quarter 1996, the *Quality Control Samples* section of EMS' quarterly groundwater monitoring report contains detailed evaluation of the following indicators of data quality: precision, accuracy, representativeness, comparability, and completeness. Site and regulatory personnel can obtain further information on the data quality and usability in a variety of ways, including those described below.

Data Qualification

The contract laboratories continually assess their own accuracy and precision according to U.S. Environmental Protection Agency (EPA) guidelines. They submit sample- or batch-specific QC information either at the same time as analytical results or in quarterly summaries. Properly defined and used modifiers (also referred to as qualifiers) can be a key component in assessing data usability. Modifiers designed by EPA or EPD/EMS and used by the primary laboratories or EMS' data validators are presented in Appendix D.

Assessment of Accuracy of the Data

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

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

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

Surrogates, organic compounds similar in chemical behavior to the compounds of interest but not normally found in environmental samples, are used to monitor the effect of the matrix on the accuracy of analyses for organic parameters. For example, for analyses of volatile organics by EPA Method 8240, three surrogate compounds are added to all samples and blanks in each analytical batch. In analyses of semivolatile organics by EPA Method 8270, three surrogates are required and an additional compound is advised for each fraction (acids and base/neutrals). Two surrogates are used in organochlorine pesticides analyses. Percent recoveries for surrogate analyses are calculated by laboratory personnel,

reported to EPD/EMS, reviewed, and entered into the database. Beginning first quarter 1996, statistical summaries are published in the *Quality Control Samples* section of the EPD/EMS quarterly groundwater monitoring report. If recoveries are not within specified limits, the laboratory is expected to reanalyze the samples or attach qualifiers to the data identifying the anomalous results.

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

Matrix spike/matrix spike duplicate results are reported to EPD/EMS. Beginning first quarter 1996, spike results and a statistical summary are published in the *Quality Control Samples* section of the EPD/EMS quarterly groundwater monitoring report. For organic compounds, according to EPA guidelines, no action is taken on the basis of matrix spike/matrix spike duplicate data alone (i.e., no result modifiers are assigned solely on the basis of matrix spike results); however, the results can indicate if a laboratory is having a systemic problem in the analysis of one or more analytes.

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

Assessment of Precision

Precision of the analyses, or agreement of a set of replicate results among themselves, is assessed through the use of duplicates initiated by the laboratory and blind replicates provided by EPD/EMS. The results of duplicate and replicate analyses are presented in results tables that report only one quarter of data. Results tables that include more than one quarter of data present only the highest result for each analyte for each quarter of the year.

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

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

Method-Specific Accuracy and Precision

The contract laboratories' EPA-approved laboratory procedures include QA/QC requirements as an integral part of the methods. Thus, knowledge of the method used in obtaining data is an important component of determining data usability. EPA has conducted extensive research and development on

the methods approved for the analysis of water and wastewater. Information on the accuracy and precision of a method is available from EPA publications, as is full information on required QA/QC procedures. A listing of the methods used by the primary laboratories for chemical analyses from all SRS wells during fourth quarter 1998 is given below (Table E-1, Methods Used by the Contract Laboratories), along with the source for the method description. Many, if not all, of these sources include presentations of representative accuracy and precision results. Radiochemical methods are not included in Table E-1. The EPD/EMS quarterly reports list all the methods used by all the contracted laboratories each quarter.

Table E-1. Methods Used by the Contract Laboratories

Analysis	Method	Source
Ammonia	EPA350.3	EPA, 1983
Antimony	EPA6010	EPA, 1986
	EPA6010A	
	EPA6010B	
	EPA6020	
	EPA6020A	
Arsenic	EPA6010	EPA, 1986
	EPA6010A	
	EPA6010B	
	EPA6020	
Barium	EPA6010	EPA, 1986
	EPA6010A	
	EPA6010B	
	EPA6020	
	EPA6020A	
Benzene, ethylbenzene, toluene, xylenes	EPA8020	EPA, 1986
	EPA8260	
	EPA8260A	
	EPA8260B	
Carbonate	EPA325.2	EPA, 1983
Chemical oxygen demand	EPA410.4	EPA, 1983
Chloride	EPA9056	EPA, 1986
	EPA300.0	EPA, 1983
Cyanide	EPA9010A	EPA, 1986
	EPA9010B	
2,4-D; 2,4,5-T; 2,4,5-TP	EPA8150	EPA, 1986
	EPA8150B	
	EPA8151A	
Dioxins and furans	EPA8280	EPA, 1986
Five-day biochemical oxygen demand	EPA405.1	EPA, 1983

Table E-1. Methods Used by the Contract Laboratories (Cont.)

Analysis	Method	Source
Fluoride	EPA300.0	EPA, 1983
	EPA340.2	
	EPA9056	EPA, 1986
	EPA9214	
GC volatiles	EPA8010	EPA, 1986
GCMS volatiles	EPA8260	EPA, 1986
	EPA8260A	
GCMS semivolatiles	EPA8270	EPA, 1986
	EPA8270B	
Herbicides/pesticides	EPA8151	EPA, 1986
Lead	EPA6010	EPA, 1986
	EPA6010A	
	EPA6010B	
	EPA6020	
Mercury	EPA7470	EPA, 1986
	EPA7470A	
Metals	EPA6010	EPA, 1986
	EPA6010A	
	EPA6020	
Nitrate as N	EPA300.0	EPA, 1983
Nitrate-nitrite as N	EPA300.0	EPA, 1983
	EPA353.1	
	EPA353.2	
Nitrite	EPA300.0	EPA, 1983
	EPA9056	EPA, 1986
Nitrite as N	EPA9056	EPA, 1986
Oil and grease	EPA413.1	EPA, 1983
Organochlorine pesticides/PCBs	EPA8081	EPA, 1986
Organophosphorus pesticides	EPA8140	EPA, 1986
	EPA8141	
pH	EPA9040A	EPA, 1986
	EPA9045C	
Phenols	EPA420.1	EPA, 1983
	EPA9066	EPA, 1986

Table E-1. Methods Used by the Contract Laboratories (Cont.)

Analysis	Method	Source
Selenium	EPA6010	EPA, 1986
	EPA6010A	
	EPA6010B	
	EPA6020	
Semivolatiles	EPA8310	EPA, 1986
Specific conductance	EPA9050	EPA, 1986
	EPA9050A	
Sulfate	EPA300.0	EPA, 1983
	EPA9056	
Sulfide	EPA376.1	EPA, 1983
	EPA376.2	
	EPA9030	EPA, 1986
	EPA9030A	
	EPA9030B	
Thallium	EPA6010	EPA, 1986
	EPA6010A	
	EPA6010B	
	EPA6020	
	EPA6020A	
Total dissolved solids	EPA160.1	EPA, 1983
Total dissolved solids, total suspended solids	EPA160.2	EPA, 1983
Total organic carbon	EPA9020B	EPA, 1986
	EPA9060	
Total organic halogens	EPA9020B	EPA, 1986
Total petroleum hydrocarbons	EPA418.1	EPA, 1983
	EPA420.2	
Total phosphates (as P)	EPA365.2	EPA, 1983
	EPA365.4	
Vanadium	EPA6010	EPA, 1986
	EPA6010A	
	EPA6010B	
	EPA6020	
	EPA6020A	

EPA (U.S. Environmental Protection Agency), 1983. **Methods for Chemical Analysis of Water and Wastes.** PB84-128677. Cincinnati, OH.

EPA (U.S. Environmental Protection Agency), 1986. **Test Methods for Evaluating Solid Waste**, Volumes 1A, 1B, and 1C, third edition and including Updates I, II, IIa, IIb, and III. SW-846. Washington, DC.

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

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

Parameter	Accuracy, as recovery, x' ($\mu\text{g/L}$)	Single analyst precision, s_r' ($\mu\text{g/L}$)	Overall precision, S' ($\mu\text{g/L}$)
Acenaphthene	0.96C+0.19	0.15X-0.12	0.21X-0.67
Acenaphthylene	0.89C+0.74	0.24X-1.06	0.26X-0.54
Aldrin	0.78C+1.66	0.27X-1.28	0.43X+1.13
Anthracene	0.80C+0.68	0.21X-0.32	0.27X-0.64
Benzo[a]anthracene	0.88C-0.60	0.15X+0.93	0.26X-0.21
Benzo[b]fluoranthene	0.93C-1.80	0.22X+0.43	0.29X+0.96
Benzo[k]fluoranthene	0.87C-1.56	0.19X+1.03	0.35X+0.40
Benzo[g,h,i]perylene	0.98C-0.86	0.29X+2.40	0.51X-0.44
Benzo[a]pyrene	0.90C-0.13	0.22X+0.48	0.32X+1.35
β -BHC	0.87C-0.94	0.20X-0.58	0.30X+1.94
δ -BHC	0.29C-1.09	0.34X+0.86	0.93X+0.17
Bis(2-chloroethoxy) methane	1.12C-5.04	0.16X+1.34	0.26X+2.01
Bis(2-chloroethyl) ether	0.86C-1.54	0.35X-0.99	0.35X+0.10
Bis(2-chloroisopropyl) ether	1.03C-2.31	0.24X+0.28	0.25X+1.04
Bis(2-ethylhexyl) phthalate	0.84C-1.18	0.26X+0.73	0.36X+0.67
4-Bromophenyl phenyl ether	0.91C-1.34	0.13X+0.66	0.16X+0.66
Butylbenzyl phthalate	0.66C-1.68	0.18X+0.94	0.53X+0.92
4-Chloro-m-cresol	0.84C+0.35	0.23X+0.75	0.29X+1.31
Chloroethane	0.99C-1.53	0.14X-0.13	0.17X-0.28
2-Chloronaphthalene	0.89C+0.01	0.07X+0.52	0.13X+0.34
2-Chlorophenol	0.78C+0.29	0.18X+1.46	0.28X+0.97
4-Chlorophenyl phenyl ether	0.91C+0.53	0.20X-0.94	0.30X-0.46
Chrysene	0.93C-1.00	0.28X+0.13	0.33X-0.09
p,p'-DDD	0.56C-0.40	0.29X-0.32	0.66X-0.96
p,p'-DDE	0.70C-0.54	0.26X-1.17	0.39X-1.04
p,p'-DDT	0.79C-3.28	0.42X+0.19	0.65X-0.58
Dibenz[a,h]anthracene	0.88C+4.72	0.30X+8.51	0.59X+0.25
Di-n-butyl phthalate	0.59C+0.71	0.13X+1.16	0.39X+0.60

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

Parameter	Accuracy, as recovery, x' ($\mu\text{g/L}$)	Single analyst precision, s_r' ($\mu\text{g/L}$)	Overall precision, S' ($\mu\text{g/L}$)
1,2,4-Trichlorobenzene	$0.94C-0.79$	$0.15X+0.85$	$0.21X+0.39$
2,4,6-Trichlorophenol	$0.91C-0.18$	$0.16X+2.22$	$0.22X+1.81$

x' = Expected recovery for one or more measurements of a sample containing a concentration of C, in $\mu\text{g/L}$.

s_r' = Expected single analyst standard deviation of measurements at an average concentration of X, in $\mu\text{g/L}$.

S' = Expected interlaboratory standard deviation of measurements at an average concentration of X, in $\mu\text{g/L}$.

C = True value for the concentration, in $\mu\text{g/L}$.

X = Average recovery found for measurements of samples containing a concentration of C, in $\mu\text{g/L}$.

Appendix F

Time Series Plots

THIS PAGE LEFT BLANK INTENTIONALLY.

Trichloroethylene Concentrations Well BGO 1D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 3

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 5 µg/L

—■— BGO 3D (W) —□— BGO 3DR (W) —▲— BGO 3C (B) —○— BGO 3A (UC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 5

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 5 µg/L

—■— BGO 5D (W) —◆— BGO 5C (M)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 6

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 5 µg/L

—■— BGO 6D (W) —◆— BGO 6C (M) —◇— BGO 6B (B/M) —○— BGO 6A (UC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 7D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 8

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 5 µg/L

—■— BGO 8D (W) —◆— BGO 8C (M) —●— BGO 8AR (UC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 9

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 5 µg/L

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 10

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 5 µg/L

■ BGO 10DR (W) ▲ BGO 10C (B) ▲ BGO 10B (B) ○ BGO 10AR (UC) □ BGO 10AA (LC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 11

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 5 µg/L

—■— BGO 11D (W) —□— BGO 11DR (W)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 12

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 5 µg/L

■ BGO 12D (W) □ BGO 12DR (W) ▲ BGO 12CR (B) ◇ BGO 12CX (B/M) ○ BGO 12AR (UC) × BGO 12AX (C)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 13DR

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 5 µg/L

—▲— BGO 13DR (B)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 14

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 15D

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 5 µg/L

—■— BGO 15D (W)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 16

Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 17DR

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 5 µg/L

—■— BGO 17DR (W)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 18

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 5 µg/L

■ BGO 18D (W) ● BGO 18A (UC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 23D

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 5 µg/L

—■— BGO 23D (W)

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 26

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MW/MF

F -20

Fourth Quarter 1998 and 1998 Summary

Trichloroethylene Concentrations Well Cluster BGO 27

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 5 µg/L

—■— BGO 27D (W) —◆— BGO 27C (M)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 28D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MWMF

F -22

Fourth Quarter 1998 and 1998 Summary

Trichloroethylene Concentrations Well Cluster BGO 29

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 5 µg/L

—■— BGO 29D (W) —▲— BGO 29C (B) —●— BGO 29A (UC)

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 30

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MW/MF

F -24

Fourth Quarter 1998 and 1998 Summary

Trichloroethylene Concentrations Well Cluster BGO 31

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 5 µg/L

—■— BGO 31D (W) —◆— BGO 31C (M)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 32D

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 5 µg/L

—■— BGO 32D (W)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 33

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 5 µg/L

—■— BGO 33D (W) —◆— BGO 33C (M)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 35

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 5 µg/L

—■— BGO 35D (W) —◆— BGO 35C (M)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 37

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 38D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 39

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 5 µg/L

■ BGO 39D (W) ▲ BGO 39C (B) ● BGO 39A (UC)

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 40D

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 5 µg/L

—■— BGO 40D (W)

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 41A

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGO 42C

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MW/MF

Trichloroethylene Concentrations Well Cluster BGO 43

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 5 µg/L

—▲— BGO 43D (B) —▲— BGO 43CR (B) —●— BGO 43A (UC) —□— BGO 43AA (LC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 44

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 45

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 5 µg/L

—■— BGO 45D (W) —▲— BGO 45C (B) —◆— BGO 45B (M) —○— BGO 45A (UC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 46

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 5 µg/L

—■— BGO 46D (W) —▲— BGO 46C (B) —◆— BGO 46B (M)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 47

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 48

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 49

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 5 µg/L

■ BGO 49D (W) ▲ BGO 49C (B) ● BGO 49A (UC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 50

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGO 53

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 5 µg/L

—■— BGO 53D (W) —▲— BGO 53C (B) —◆— BGO 53B (M) —○— BGO 53A (UC) —□— BGO 53AA (LC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGX 1

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 5 µg/L

■ BGX 1D (W) ▲ BGX 1C (B) ● BGX 1A (UC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGX 2

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 5 µg/L

—▲— BGX 2D (B) —◆— BGX 2B (M)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGX 3D

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 5 µg/L

—▲— BGX 3D (B)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGX 4

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGX 5D

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 5 µg/L

—▲— BGX 5D (B)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGX 7D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGX 8DR

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 5 µg/L

—▲— BGX 8DR (B)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well BGX 10D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well Cluster BGX 12

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well FSS 4D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Trichloroethylene Concentrations Well HMD 1D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

MWMF

Trichloroethylene Concentrations Well HMD 3D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 1D

■ BGO 1D (W)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 2D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 3

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 20 pCi/mL

BGO 3D (W)
 BGO 3DR (W)
 BGO 3C (B)
 BGO 3A (UC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 4D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 5

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 20 pCi/mL

—■— BGO 5D (W) —◆— BGO 5C (M)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 6

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 20 pCi/mL

—■— BGO 6D (W) —◆— BGO 6C (M) —◇— BGO 6B (B/M) —○— BGO 6A (UC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 7D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 8

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 9

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 20 pCi/mL

—■— BGO 9D (W) —□— BGO 9AA (LC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 10

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 20 pCi/mL

—■— BGO 10DR (W) —▲— BGO 10C (B) —△— BGO 10B (B) —○— BGO 10AR (UC) —□— BGO 10AA (LC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 11

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 12

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 13DR

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 14

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 15D

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 20 pCi/mL

■ BGO 15D (W)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 16

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 17DR

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 18

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 19

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 20 pCi/mL

—■— BGO 19D (W) —□— BGO 19DR (W)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 20

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 21D

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 20 pCi/mL

—■— BGO 21D (W)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 22DR

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 23D

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 20 pCi/mL

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 24D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

**Tritium Activities
Well BGO 25A**

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 26

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 27

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 20 pCi/mL

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 28D

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 29

—■— BGO 29D (W)
—▲— BGO 29C (B)
—●— BGO 29A (UC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBarn (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 30

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 31

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 20 pCi/mL

■ BGO 31D (W) ♦ BGO 31C (M)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 32D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 33

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 20 pCi/mL

■ BGO 33D (W) ♦ BGO 33C (M)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 34D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 35

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 20 pCi/mL

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 36D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 37

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 38D

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 20 pCi/mL

—■— BGO 38D (W)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 39

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 20 pCi/mL

■ BGO 39D (W) ▲ BGO 39C (B) ● BGO 39A (UC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 40D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 41A

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 20 pCi/mL

—●— BGO 41A (UC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGO 42C

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 20 pCi/mL

—▲— BGO 42C (B)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 43

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 20 pCi/mL

—▲— BGO 43D (B) —△— BGO 43CR (B) —●— BGO 43A (UC) —□— BGO 43AA (LC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 44

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 20 pCi/mL

BGO 44D (W)
 BGO 44C (B)
 BGO 44B (M)
 BGO 44A (UC)
 BGO 44AA (LC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 45

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 46

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 47

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 20 pCi/mL

—■— BGO 47D (W) —▲— BGO 47C (B) —●— BGO 47A (UC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 48

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 49

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 50

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 51

—■— BGO 51D (W) —▲— BGO 51C (B) —◆— BGO 51B (M) —○— BGO 51A (UC) —□— BGO 51AA (LC)

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 52

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 20 pCi/mL

■ BGO 52D (W) ▲ BGO 52C (B) ◆ BGO 52B (M) ○ BGO 52A (UC) □ BGO 52AA (LC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGO 53

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGX 1

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 20 pCi/mL

■ BGX 1D (W) ▲ BGX 1C (B) ● BGX 1A (UC)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGX 2

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGX 3D

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGX 4

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGX 5D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGX 6D

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 20 pCi/mL

—▲— BGX 6D (B)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGX 7D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGX 8DR

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 20 pCi/mL

▲ BGX 8DR (B)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGX 9D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGX 10D

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.

PDWS 20 pCi/mL

■ BGX 10D (W)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well BGX 11D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster BGX 12

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well FSS 1D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well FSS 2D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well FSS 3D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well FSS 4D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well HMD 1D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well HMD 2D

Unconnected data points indicate
intervals of dry wells or values
below the detection limit.
PDWS 20 pCi/mL

—▲— HMD 2D (B)

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well HMD 3D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well HMD 4D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Tritium Activities Well Cluster HSB 85

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

THIS PAGE LEFT BLANK INTENTIONALLY.

Appendix G

Hydrographs

THIS PAGE LEFT BLANK INTENTIONALLY.

Hydrograph Well BGO 1D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 2D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 3

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 4D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph
Well Cluster BGO 5

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 6

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 7D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 8

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 9

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph
Well Cluster BGO 10

—■— BGO 10DR (W) —▲— BGO 10C (B) —△— BGO 10B (B) —○— BGO 10AR (UC) —□— BGO 10AA (LC)

Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 11

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 12

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 13DR

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 14

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 15D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 16

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 17DR

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 18

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 19

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 20

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 21D

Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 22DR

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph
Well BGO 23D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 24D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 25A

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 26

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 27

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 28D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 29

Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 30

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 31

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 32D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 33

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 34D

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 35

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph
Well BGO 36D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 37

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 38D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 39

Note: W=Water Table (IB2); B=Bamwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 40D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 41A

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGO 42C

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 43

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 44

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 45

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 46

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 47

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 48

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 49

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 50

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 51

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 52

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGO 53

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGX 1

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGX 2

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGX 3D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGX 4

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGX 5D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGX 6D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGX 7D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGX 8DR

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGX 9D

Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGX 10D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well BGX 11D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster BGX 12

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSS 1D

Note: W=Water Table (IB2); B=Barnwell (IB1); M=McBean (IB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSS 2D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSS 3D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well FSS 4D

Note: W=Water Table (IIB2); B=Bamwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well HMD 1D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well HMD 2D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well HMD 3D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well HMD 4D

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)

Hydrograph Well Cluster HSB 85

Note: W=Water Table (IIB2); B=Barnwell (IIB1); M=McBean (IIB1); UC=Upper Congaree (IIA); MC=Middle Congaree (IIA); LC=Lower Congaree (IIA)