

**The Savannah River Site's Groundwater Monitoring Program  
Second Quarter 1999 (April through June 1999)**

by

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**THE ENVIRONMENTAL PROTECTION DEPARTMENT  
ENVIRONMENTAL MONITORING SECTION**

**The Savannah River Site's  
Groundwater Monitoring Program**

**SECOND QUARTER 1999 (U)  
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Environmental Protection Department  
Westinghouse Savannah River Company  
Aiken, SC

and

Exploration Resources, Inc.  
Athens, GA

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**Publication Date: November 1999**

Westinghouse Savannah River Company  
Savannah River Site  
Aiken, SC 29808



## This Quarter at a Glance . . .

*Executive Summary*—table of all analytes detected at or above Flag 2 criteria  
*Flagging Criteria*—standards for flagging results  
*Sample Scheduling*—description of the sampling schedule  
*Field Notes*—comments from the field-data books  
*Analytical Data Review*—discrepancies in each laboratory's analytical data; laboratory-specific methods and estimated quantitation limits  
*Quality Control Samples*—discussion of the quality of the analytical data in terms of precision, accuracy, representativeness, comparability, and completeness  
*Site Index*—table of the well series and their site locations; also discusses the history of the sites  
*Appendices:*  
A. *Water-Level Data*—tables listing field data obtained for hydrogeologic studies  
B. *Analytical Results*—tables listing the quarter's analytical results and field data  
C. *Sampling Blanks Results*—tables listing all analytical results for sampling blanks for the quarter

•••

The following is a key to the numbered areas of the Savannah River Site.

### Site

100 Areas—Reactors  
200 Areas—Separations  
300 Areas—Reactor Materials  
400 Area—Heavy Water  
600 Areas—General  
700 Area—Administration

### Function

To operate and support the reactors  
To separate and purify the product from fuel and target assemblies; to process waste  
To fabricate new fuel and target assemblies from raw materials  
To produce steam and electrical power; to process heavy water  
Other (general)  
To provide administrative and support services

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# Executive Summary

The Environmental Protection Department/Environmental Monitoring Section (EPD/EMS) administers the Savannah River Site's (SRS) Groundwater Monitoring Program. During second quarter 1999, EPD/EMS conducted extensive sampling of monitoring wells.

EPD/EMS has established two sets of flagging criteria to assist in managing sample results. The flagging criteria do not define contamination levels; instead, they aid personnel in sample scheduling, data interpretation, and trend identification. Since 1991, the flagging criteria have been based on the U.S. Environmental Protection Agency (EPA) drinking water standards and on method detection limits. A detailed explanation of the flagging criteria is presented in the **Flagging Criteria** section of this document. Analytical results from second quarter 1999 are included in this report, which is distributed to all site custodians.

One or more analytes exceeded Flag 2 criteria during second quarter 1999 in 45 monitoring well series. Analytes exceeded the current Flag 2 criteria for the first time since 1984 in 5 of those 45 monitoring well series.

Table 1, organized alphabetically by well series, lists those well series with analytical results above Flag 2 criteria during second quarter 1999. Results from all laboratory analyses that underwent the standard verification and validation process are used to generate this table. Specific conductance and pH data from field measurements also are included in this table.

**Table 1. Analytes above Flag 2 Criteria**

<i>Site</i>	<i>Well Series</i>	<i>Analytes above Flag 2 Criteria</i>
Mixed Waste Management Facility (Site 643-28E) and Low-Level Radioactive Waste Disposal Facility (643-7E)	BGO	Aluminum, antimony, 1,1-dichloroethane, 1,1-dichloroethylene, dichloromethane, iron, pH, specific conductance, strontium-90, tetrachloroethylene, total organic halogens, trichloroethylene, trichlorofluoromethane, tritium
Burma Road Rubble Pit	BRR	Aluminum, iron, nitrate-nitrite as nitrogen
C-Area Disassembly Basin	CDB	Aluminum, iron, lead
C-Area Burning/Rubble Pit	CRP	Aluminum
C-Area Reactor Seepage Basins	CSB	Aluminum, iron, lead, manganese, total organic halogens, trichloroethylene, tritium
Central Shops Sewage Sludge Lagoon	CSL	Aluminum, bis(2-ethylhexyl) phthalate, iron
N-Area (Central Shops) Burning/Rubble Pits	CSR	Aluminum, manganese
D-Area Burning/Rubble Pits	DBP	Aluminum, manganese
D-Area Coal Pile Runoff Containment Basin and Ash Basin	DCB	Aluminum, beryllium, gross alpha, iron, manganese, nickel, specific conductance, sulfate, trichloroethylene, tritium
D-Area Oil Seepage Basin	DOB	Aluminum, iron, manganese, tetrachloroethylene, trichloroethylene
F-Area Ash Basin 288-1F Groundwater Quality	FAB	Aluminum, iron, manganese

<i>Site</i>	<i>Well Series</i>	<i>Analytes above Flag 2 Criteria</i>
F-Area Burning/Rubble Pits	FBP	Aluminum, iron, manganese, nitrate-nitrite as nitrogen, tetrachloroethylene, trichloroethylene
F-Area Coal Pile Runoff Containment Basin	FCB	Aluminum, iron, lead
F-Area Seepage Basins Remediation Extraction Well	FEX	Aluminum, americium-241, cadmium, cobalt, curium-243/244, gross alpha, iodine-129, manganese, nonvolatile beta, radium-226, specific conductance, strontium-90, uranium-233/234, uranium-238, uranium
F-Area Seepage Basins Remediation Injection Tank	FIN	Aluminum, iodine-129, manganese, specific conductance, uranium-233/234, uranium-238
F-Area Retention Basin	FRB	Iron, manganese
F-Area Seepage Basins	FSB	Aluminum, cadmium, gross alpha, iron, lead, nitrate-nitrite as nitrogen, nonvolatile beta, pH, specific conductance, tritium
F-Area Inactive Process Sewer Line	FSL	Aluminum, cadmium, gross alpha, iron, lead, nitrate-nitrite as nitrogen, nonvolatile beta, tritium
H-Area Tank Farm Operable Unit	HAA	pH, specific conductance
H-Area HP-52 Outfall	HHP	Iron, manganese
H-Area Seepage Basins Remediation Injection Tank	HIN	Aluminum, iodine-129, mercury
Old H-Area Retention Basin	HR3	Aluminum, manganese, nitrate-nitrite as nitrogen, tritium
H-Area Seepage Basins	HSB	Aluminum, gross alpha, mercury, nitrate-nitrite as nitrogen, nonvolatile beta, pH, specific conductance, tritium
H-Area Inactive Process Sewer Line	HSL	Nonvolatile beta, tritium
H-Area Warner's Pond	HWP	Iron, manganese, nonvolatile beta, tritium
K-Area Bingham Pump Outage Pits	KBP	Aluminum, iron, manganese
K-Area Coal Pile Runoff Basin	KCB	Aluminum, gross alpha, iron, radium-226
K-Area Disassembly Basin	KDB	Tritium
L-Area Research Wells	LAW	Tritium
L-Area Bingham Pump Outage Pit	LBP	Aluminum, iron, pH
L-Area Disassembly Basin	LDB	Tritium
Interim Sanitary Landfill	LFW	Aluminum, benzene, chloroethene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, dichlorodifluoromethane, 1,1-dichloroethane, 1,1-dichloroethylene, dichloromethane, iron, mercury, tetrachloroethylene, trichloroethylene, trichlorofluoromethane, tritium
B-Area Microbiology Wells	P	Aluminum, iron
P-Area Bingham Pump Outage Pit	PBP	Aluminum
P-Area Reactor Seepage Basins	PSB	Iodine-129

## **Executive Summary**

<i>Site</i>	<i>Well Series</i>	<i>Analytes above Flag 2 Criteria</i>
R-Area Bingham Pump Outage Pit	RBP	Aluminum, iron, <b>tetrachloroethylene</b>
A/M-Area Recovery Well Network	RWM	Tetrachloroethylene, trichloroethylene
S-Area Defense Waste Processing Facility	SBG	Tetrachloroethylene, trichloroethylene
TNX Burying Ground	TBG	Aluminum, carbon tetrachloride, <b>cis-1,2-dichloroethylene</b> , gross alpha, iron, manganese, mercury, nitrate as nitrogen, <b>tetrachloroethylene</b> , trichloroethylene
TNX-Area Operable Unit	TCM	Aluminum, gross alpha, iron, manganese, trichloroethylene
TNX-Area Operable Unit	TIR	Aluminum, carbon tetrachloride, gross alpha, manganese, mercury, nitrate as nitrogen, trichloroethylene
TNX-Area Assessment Wells	TNX	Aluminum, carbon tetrachloride, iron, manganese, <b>tetrachloroethylene</b> , trichloroethylene
TNX-Area Recovery Wells	TRW	Aluminum, carbon tetrachloride, iron, manganese, trichloroethylene
Old TNX Seepage Basin	XSB	Aluminum, iron, trichloroethylene
New TNX Seepage Basin	YSB	Aluminum, iron

Note: The groundwater samples are unfiltered. Therefore, the results for metals are for total recoverable metals. Analytes in bold were detected at levels above the current Flag 2 criteria for the first time since 1984.

**NOTES**

# Introduction

This report summarizes the Groundwater Monitoring Program conducted by SRS during second quarter 1999. It includes the analytical data, field data, data review, quality control, and other documentation for this program; provides a record of the program's activities; and serves as an official record of the analytical results.

EPD/EMS is responsible for providing drilling, sampling, and analytical and data management support for the SRS Groundwater Monitoring Program at approximately 135 waste sites in 17 areas at SRS (see figures 1 and 2 at the end of this section). The majority of this monitoring is required by U.S. Department of Energy (DOE) orders and by federal and state regulations administered by the USEPA and the South Carolina Department of Health and Environmental Control (SCDHEC). The Groundwater Monitoring Program includes the following activities:

- installation, maintenance, and abandonment of monitoring wells
- environmental soil borings
- development of sampling and analytical schedules
- collection and analysis of groundwater samples
- review of analytical and other data
- maintenance of the databases containing groundwater monitoring data
- quality assurance (QA) evaluations of laboratory performance
- reports of results to waste-site facility custodians and the Environmental Protection Department

The custodian of each waste site is responsible for informing EPD/EMS of sampling and analytical requirements and special requests for the sampling schedule, assisting in review of the data, and making any decisions regarding groundwater monitoring at the waste site.

Each custodian receives a copy of this report. Each custodian also receives site-specific data on request, including the following:

- a computer printout of the analytical data for the current quarter and for the previous seven quarters, designed to assist in identifying trends
- a computer printout of analytical results at or above Flag 1 and Flag 2 criteria for the quarter, designed to assist in identifying elevated constituents

## ORGANIZATION OF THIS REPORT

This report is divided into sections that focus on specific aspects of the SRS Groundwater Monitoring Program. The **Executive Summary** section presents a listing by waste site and well series of all analytes detected at or above Flag 2 criteria during the quarter. Analytes detected at or above Flag 2 criteria for the first time since 1984 are indicated in bold type.

The **Flagging Criteria** section lists flagging criteria for analytes and provides a short description of how the criteria were derived. The **Sample Scheduling** section discusses the preparation of the sampling schedule and the criteria for analyte selection.

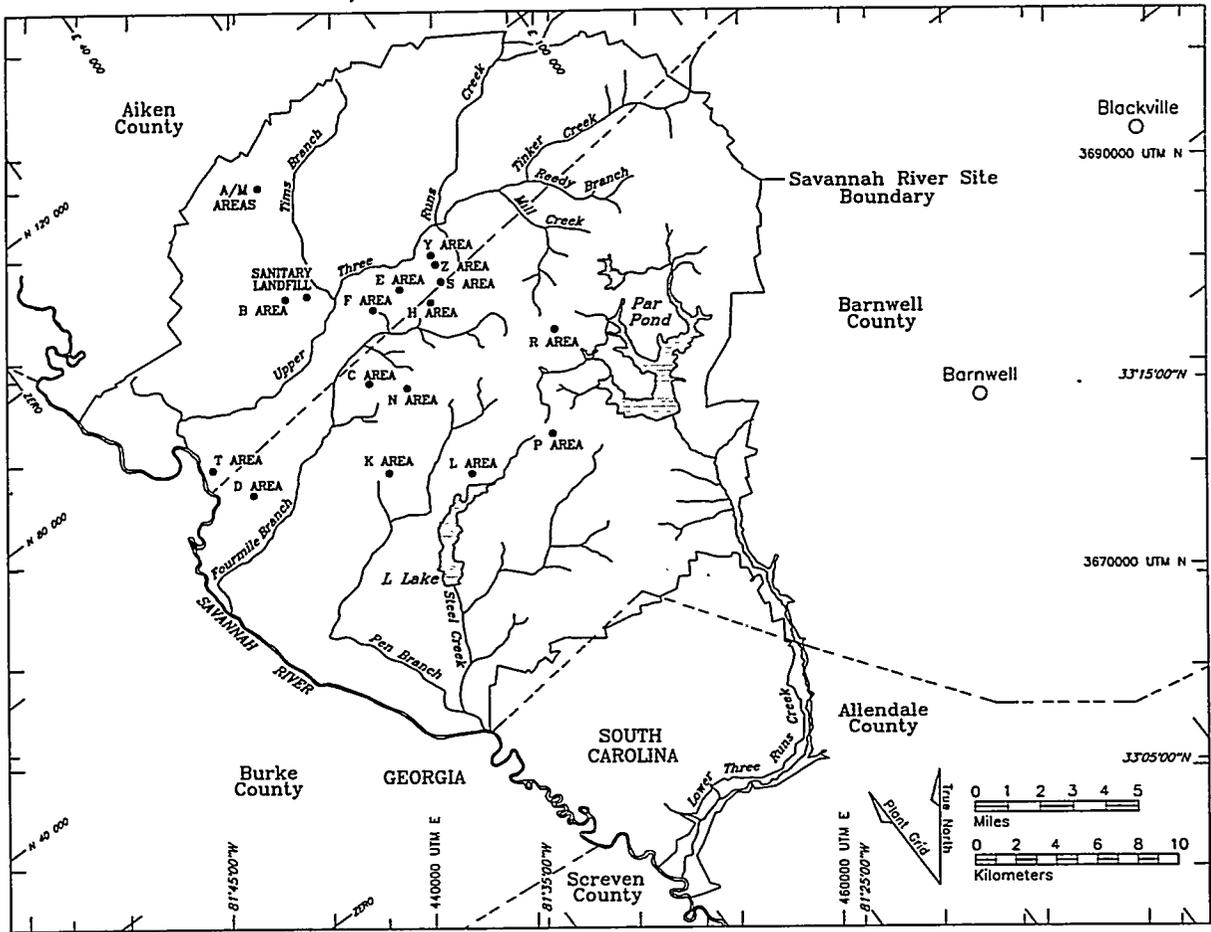
During sample collection, samplers write comments in the field logbooks that may be pertinent to the analysis of samples. Many of the comments concern wells that went dry during sampling or water that appeared colored, turbid, or aerated. These comments are included in the **Field Notes** section.

Samples are analyzed by the EPD/EMS (EM Lab or EM) Radiological Laboratory at SRS and by one or more off-site laboratories. During second quarter 1999, EMAX Laboratories, Inc. (EX), of Torrance, CA; General Engineering Laboratories (GE), of Charleston, SC; and Recra LabNet Philadelphia (WA), of Lionville, PA, were the primary off-site laboratories. Radionuclide analyses were conducted by Environmental Physics, Inc. (GP), a subcontractor for GE, and Thermo NUtech (TM), a subcontractor for WA. The GE Mobile Laboratory (ML) performed on-site analyses of volatile and semivolatile organics and metals analyses. The **Analytical Data Review** section contains three subsections. The **GIMS Data Review Module** subsection discusses automated data management activities at EPD/EMS. The **Review of the Analytical Data** subsection includes a discussion of discrepancies in each laboratory's analytical data, including results that were considerably higher or lower than previous results. This subsection also includes information about the analytical narratives that were used as reference materials throughout the data validation process. The **Analytical Methods** subsection lists the methods the laboratories used for measuring concentrations of each analyte.

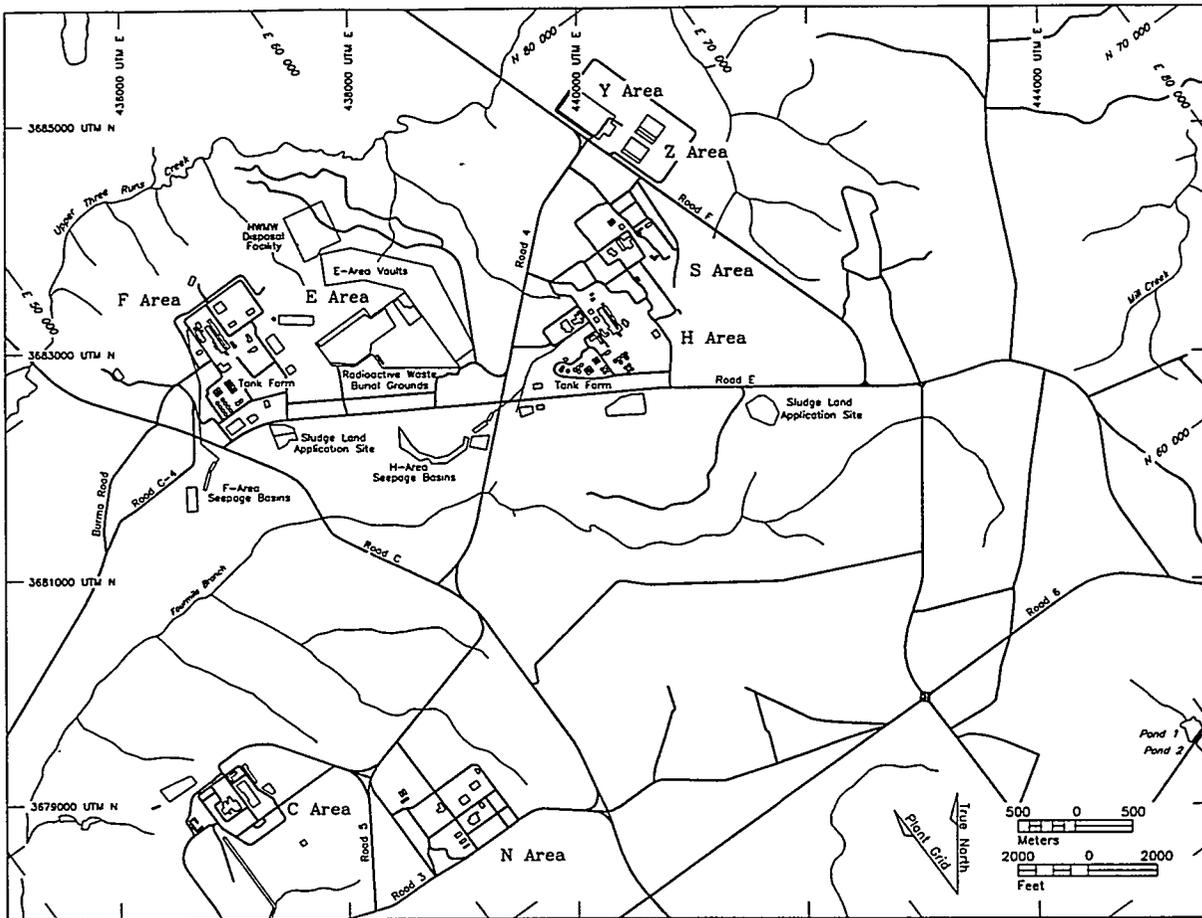
The **Quality Control Samples** section contains five subsections and discusses the analytical data in terms of the following indicators of data quality: precision, accuracy, representativeness, comparability, and completeness. The **Precision** subsection explains the replicate analysis program, gives the statistical methods used for comparison, and lists the results of the comparisons between the replicate and duplicate analyses. The **Accuracy** subsection examines the relationship between an observed value and an accepted reference value and/or the measure of the over- or underestimation of reported concentrations. The **Representativeness** subsection describes how ground-water samples can be affected to produce results that may be biased positively or negatively. The **Comparability** subsection discusses whether the laboratories use the same standardized procedures for sample preparation and analysis, whether the reporting units are the same, and whether similar quantitation limits were obtained. The **Completeness** section evaluates the amount of useable data that resulted from the data collection.

The **Site Index** section lists and gives a description of the sites associated with each well series, as well as historical information for the sites. A list of terms, abbreviations, and acronyms used in this report can be found in the **Glossary** section. References cited are included in the **References** section.

The **Water-Level Data** section (**Appendix A**) includes concurrent water elevations obtained in A/M and other areas; these data are used by SRS personnel in hydrogeologic studies. The **Analytical Results** section (**Appendix B**) includes tables listing the verified and validated analytical results from all laboratories and field data for all wells sampled during the quarter. The tables appear in alphabetical order by well name. The **Sampling Blanks Results** section (**Appendix C**) contains tables listing the analytical results of laboratory tests on sampling blanks. The **Analytical and Sampling Blanks Results for MSB Wells** section (**Appendix D**) contains laboratory analytical results and field data for five MSB wells sampled during the quarter, as well as the analytical results of laboratory tests on sampling blanks from the project. These results are not included in the **Analytical Results** section (**Appendix B**) because they did not undergo the standard verification and validation process.



**Figure 1. Areas and Locations Monitored for Groundwater Quality**



**Figure 2. Separations and Waste Management Areas Monitored for Groundwater Quality**

# Flagging Criteria

Analytes in the data tables are assigned flagging levels (0, 1, or 2) depending on their concentrations in a ground-water sample. The flagging levels dictate the scheduling and frequency of groundwater sampling. Beginning first quarter 1992, flagging criteria were established for all of the constituents currently being analyzed as part of the EPD/EMS Groundwater Monitoring Program, except for certain aesthetic constituents, indicator parameters, major cations, and common laboratory contaminants and cleaners, which can be analyzed by special request. The flagging criteria in table 2 were determined as follows:

*Flag 0:* Analytical results below Flag 1 and constituents having no flagging criteria were classified as Flag 0.

*Flag 1:* The Flag 1 criterion for a constituent was set as one-half of the EPA final primary drinking water standard, the EPA proposed primary drinking water standard, or the EPA secondary drinking water standard for that constituent. If a constituent did not have an EPA drinking water standard, the Flag 1 criterion was set as five times a recently published 90th percentile detection limit obtained by one of the primary laboratories.

*Flag 2:* The Flag 2 criterion for a constituent was set as the EPA final primary drinking water standard, the EPA proposed primary drinking water standard, or the EPA secondary drinking water standard for that constituent. If a constituent did not have a drinking water standard, the Flag 2 criterion was set as 10 times a recently published 90th percentile detection limit obtained by one of the primary laboratories.

The following acronyms are used as abbreviated sources in the flagging criteria table. Complete information concerning documents cited can be found in the **References** section of this report.

APHA — American Public Health Association.

APHA Method — A specific analytical method for testing constituent levels in a sample as established by the APHA, American Water Works Association, and Water Pollution Control Federation. See American Public Health Association et al. in **References**.

EPA — U.S. Environmental Protection Agency.

EPA Method — A specific analytical method for testing constituent levels. Descriptions of these methods can be found in the EPA publications *Methods for Chemical Analysis of Water and Wastes* (1983) and *Test Methods for Evaluating Solid Waste* (1986b) and in the 1991 *Code of Federal Regulations*, Title 40, Part 136. See Environmental Protection Agency in **References**.

EPD/EMS — The Environmental Protection Department/Environmental Monitoring Section at the Savannah River Site.

PDWS — Primary Drinking Water Standards.

SCDHEC — South Carolina Department of Health and Environmental Control.

SDWS — Secondary Drinking Water Standards.

**Table 2. Flagging Criteria**

Analyte	Unit	Flag 1	Flag 2	Source†
Acenaphthene	µg/L	5.1	10.2	EPA Method 8270
Acenaphthylene	µg/L	5.1	10.2	EPA Method 8270
Acetone	µg/L	500	1,000	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 PDWS (EPA, 1991c)
Alachlor	µg/L	1.0	2.0	Final PDWS (EPA, 1997a)
Aldicarb	µg/L	1.5	3.0	Final PDWS (EPA, 1997a)
Aldicarb sulfone	µg/L	1.0	2.0	Final PDWS (EPA, 1997a)
Aldicarb sulfoxide	µg/L	2.0	4.0	Final PDWS (EPA, 1997a)
Aldrin	µg/L	0.4	0.8	EPA Method 8080
Alkalinity (as CaCO <sub>3</sub> )		No flag	No flag	Set by EPD/EMS
Allyl chloride	µg/L	416.5	833	EPA Method 8240
Aluminum	µg/L	25	50	SDWS (EPA, 1997b)
Aluminum, dissolved	µg/L	25	50	SDWS (EPA, 1997b)
Aluminum, total recoverable	µg/L	25	50	SDWS (EPA, 1997b)
Americium-241	µCi/mL	3.17E-09	6.34E-09	Proposed PDWS (EPA, 1991c)
Americium-243	µCi/mL	3.19E-09	6.37E-09	Proposed PDWS (EPA, 1991c)
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	3.0	6.0	Final PDWS (EPA, 1997a)
Antimony, dissolved	µg/L	3.0	6.0	Final PDWS (EPA, 1997a)
Antimony, total recoverable	µg/L	3.0	6.0	Final PDWS (EPA, 1997a)
Antimony-124	µCi/mL	3.0E-08	6.0E-08	Interim Final PDWS (EPA, 1977)
Antimony-125	µCi/mL	1.5E-07	3.0E-07	Interim Final PDWS (EPA, 1977)
Aramite	µg/L	81	162	EPA Method 8270
Arsenic	µg/L	25	50	Final PDWS (EPA, 1997a)
Arsenic, dissolved	µg/L	25	50	Final PDWS (EPA, 1997a)
Arsenic, total recoverable	µg/L	25	50	Final PDWS (EPA, 1997a)
Asbestos	Fibers/L	3,500,000	7,000,000	Final PDWS (EPA, 1997a)
Atrazine	µg/L	1.5	3.0	Final PDWS (EPA, 1997a)
Azobenzene	µg/L	50	100	EPA Method 625
Barium	µg/L	1,000	2,000	Final PDWS (EPA, 1997a)
Barium, dissolved	µg/L	1,000	2,000	Final PDWS (EPA, 1997a)
Barium, total recoverable	µg/L	1,000	2,000	Final PDWS (EPA, 1997a)
Barium-133	µCi/mL	7.60E-07	1.52E-06	Proposed PDWS (EPA, 1991c)
Barium-140◆	µCi/mL	4.5E-08	9.0E-08	Interim Final PDWS (EPA, 1977)
Benzene	µg/L	2.5	5.0	Final PDWS (EPA, 1997a)
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 PDWS (EPA, 1990)
Benzo[b]fluoranthene	µg/L	0.1	0.2	Proposed PDWS (EPA, 1990)
Benzo[k]fluoranthene	µg/L	0.1	0.2	Proposed PDWS (EPA, 1990)
Benzoic acid	µg/L	5.0	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 PDWS (EPA, 1997a)
1,4-Benzoquinone	µg/L	50	100	EPA Method 8270
Benzyl alcohol	µg/L	5.0	10	EPA Method 8270

**Flagging Criteria**

Analyte	Unit	Flag 1	Flag 2	Source†
Beryllium	µg/L	2.0	4.0	Final PDWS (EPA, 1997a)
Beryllium, dissolved	µg/L	2.0	4.0	Final PDWS (EPA, 1997a)
Beryllium, total recoverable	µg/L	2.0	4.0	Final PDWS (EPA, 1997a)
Beryllium-7	µCi/mL	3.0E-06	6.0E-06	Interim Final PDWS (EPA, 1977)
5-day Biochemical oxygen demand		No flag	No flag	Set by EPD/EMS
Bis(2-chloroethoxy) methane	µg/L	5.1	10.2	EPA Method 8270
Bis(2-chloroethyl) ether	µg/L	5.1	10.2	EPA Method 8270
Bis(2-chloroisopropyl) ether	µg/L	100	200	EPA Method 8270
Bis(chloromethyl) ether	µg/L	50	100	EPA Method 8270
Bis(2-ethylhexyl) phthalate	µg/L	3.0	6.0	Final PDWS (EPA, 1997a)
Bismuth-214	µCi/mL	9.4E-06	1.89E-05	Proposed PDWS (EPA, 1991c)
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 PDWS (EPA, 1997a)
Bromoform	µg/L	50	100	Final PDWS (EPA, 1997a)
Bromomethane	µg/L	10	20	EPA Method 8240
4-Bromophenyl phenyl ether	µg/L	5.1	10.2	EPA Method 8270
2-sec-Butyl-4,6-dinitrophenol	µg/L	3.5	7.0	Final PDWS (EPA, 1997a)
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
Cadmium	µg/L	2.5	5.0	Final PDWS (EPA, 1997a)
Cadmium, dissolved	µg/L	2.5	5.0	Final PDWS (EPA, 1997a)
Cadmium, total recoverable	µg/L	2.5	5.0	Final PDWS (EPA, 1997a)
Calcium		No flag	No flag	Set by EPD/EMS
Calcium, dissolved		No flag	No flag	Set by EPD/EMS
Calcium, total recoverable		No flag	No flag	Set by EPD/EMS
Carbofuran	µg/L	20	40	Final PDWS (EPA, 1997a)
Carbon disulfide	µg/L	25	50	EPA Method 8240
Carbon tetrachloride	µg/L	2.5	5.0	Final PDWS (EPA, 1997a)
Carbon-14	µCi/mL	1.0E-06	2.0E-06	Interim Final PDWS (EPA, 1977)
Carbonate		No flag	No flag	Set by EPD/EMS
Cerium-141◆	µCi/mL	1.5E-07	3.0E-07	Interim Final PDWS (EPA, 1977)
Cerium-144	µCi/mL	1.31E-07	2.61E-07	Proposed PDWS (EPA, 1991c)
Cesium-134❖	µCi/mL	4.07E-08	8.13E-08	Proposed PDWS (EPA, 1991c)
Cesium-137	µCi/mL	1.0E-07	2.0E-07	Interim Final PDWS (EPA, 1977)
Chemical Oxygen Demand		No flag	No flag	Set by EPD/EMS
Chlordane	µg/L	1.0	2.0	Final PDWS (EPA, 1997a)
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	SDWS (EPA, 1997b)
4-Chloroaniline	µg/L	5.0	10	EPA Method 8270
Chlorobenzene	µg/L	50	100	Final PDWS (EPA, 1997a)
Chlorobenzilate	µg/L	81	162	EPA Method 8270
Chloroethane	µg/L	10	20	EPA Method 8240
Chloroethene (Vinyl chloride)	µg/L	1.0	2.0	Final PDWS (EPA, 1997a)
Chloroethyl vinyl ether	µg/L	5.0	10	EPA Method 8240
2-Chloroethyl vinyl ether	µg/L	50	100	EPA Method 8240
Chloroform	µg/L	50	100	Final PDWS (EPA, 1997a)
4-Chloro-m-cresol	µg/L	5.1	10.2	EPA Method 8270
Chloromethane	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

### Flagging Criteria

Analyte	Unit	Flag 1	Flag 2	Source†
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 PDWS (EPA, 1997a)
Chromium, dissolved	µg/L	50	100	Final PDWS (EPA, 1997a)
Chromium, total recoverable	µg/L	50	100	Final PDWS (EPA, 1997a)
Chromium-51◆	µCi/mL	3.0E-06	6.0E-06	Interim Final PDWS (EPA, 1977)
Chrysene	µg/L	0.1	0.2	Proposed PDWS (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	5.0E-07	1.0E-06	Interim Final PDWS (EPA, 1977)
Cobalt-58	µCi/mL	4.5E-06	9.0E-06	Interim Final PDWS (EPA, 1977)
Cobalt-60	µCi/mL	5.0E-08	1.0E-07	Interim Final PDWS (EPA, 1977)
Color		No flag	No flag	Set by EPD/EMS
Copper	µg/L	500	1,000	Final PDWS (SCDHEC, 1981)
Copper, dissolved	µg/L	500	1,000	Final PDWS (SCDHEC, 1981)
Copper, total recoverable	µg/L	500	1,000	Final PDWS (SCDHEC, 1981)
Corrosivity		No flag	No flag	Set by EPD/EMS
m-Cresol (3-Methylphenol)	µg/L	50	100	EPA Method 8270
o-Cresol (2-Methylphenol)	µg/L	5.0	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 PDWS (EPA, 1991c)
Curium-243	µCi/mL	4.15E-09	8.30E-09	Proposed PDWS (EPA, 1991c)
Curium-243/244⊕	µCi/mL	4.15E-09	8.30E-09	Proposed PDWS (EPA, 1991c)
Curium-244	µCi/mL	4.92E-09	9.84E-09	Proposed PDWS (EPA, 1991c)
Curium-245/246⊕	µCi/mL	3.12E-09	6.23E-09	Proposed PDWS (EPA, 1991c)
Curium-246	µCi/mL	3.14E-09	6.27E-09	Proposed PDWS (EPA, 1991c)
Cyanide	µg/L	100	200	Final PDWS (EPA, 1997a)
Dalapon	µg/L	100	200	Final PDWS (EPA, 1997a)
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 PDWS (EPA, 1990)
Dibenzofuran	µg/L	5.0	10	EPA Method 8270
Dibromochloromethane	µg/L	50	100	Final PDWS (EPA, 1997a)
1,2-Dibromo-3-chloropropane	µg/L	0.1	0.2	Final PDWS (EPA, 1997a)
1,2-Dibromoethane	µg/L	0.025	0.05	Final PDWS (EPA, 1997a)
Dibromomethane	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 PDWS (EPA, 1997a)
1,3-Dichlorobenzene	µg/L	81	162	EPA Method 8270
1,4-Dichlorobenzene	µg/L	37.5	75	Final PDWS (EPA, 1997a)
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	5.0	Final PDWS (EPA, 1997a)
cis-1,2-Dichloroethylene	µg/L	35	70	Final PDWS (EPA, 1997a)
1,1-Dichloroethylene	µg/L	3.5	7.0	Final PDWS (EPA, 1997a)
1,2-Dichloroethylene	µg/L	25	50	EPA Method 8240
trans-1,2-Dichloroethylene	µg/L	50	100	Final PDWS (EPA, 1997a)
Dichloromethane	µg/L	2.5	5.0	Final PDWS (EPA, 1997a)
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 PDWS (EPA, 1997a)

### Flagging Criteria

Analyte	Unit	Flag 1	Flag 2	Source†
1,2-Dichloropropane	µg/L	2.5	5.0	Final PDWS (EPA, 1997a)
2,2-Dichloropropane	µg/L	5	10	EPA Method 8260
cis-1,3-Dichloropropene	µg/L	10	20	EPA Method 8240
trans-1,3-Dichloropropene	µg/L	10	20	EPA Method 8240
Diédrin	µg/L	4.15	8.3	EPA Method 8080
Di(2-ethylhexyl) adipate	µg/L	200	400	Final PDWS (EPA, 1997a)
Diethyl phthalate		No flag	No flag	Set by EPD/EMS
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	1.0	EPA Method 8270
2,6-Dinitrotoluene	µg/L	0.5	1.0	EPA Method 8270
Di-n-octyl phthalate		No flag	No flag	Set by EPD/EMS
1,4-Dioxane	µg/L	500	1000	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 PDWS (EPA, 1997a)
Dissolved organic carbon	µg/L	10,500,000	21,000,000	EPA Method 9060
Disulfoton	µg/L	81	162	EPA Method 8270
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 PDWS (EPA, 1997a)
Endrin	µg/L	1.0	2.0	Final PDWS (EPA, 1997a)
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	5.0	EPA Method 8270
Ethyl methanesulfonate	µg/L	81	162	EPA Method 8270
Ethylbenzene	µg/L	350	700	Final PDWS (EPA, 1997a)
Europium-152	µCi/mL	3.0E-08	6.0E-08	Interim Final PDWS (EPA, 1977)
Europium-154	µCi/mL	1.0E-07	2.0E-07	Interim Final PDWS (EPA, 1977)
Europium-155	µCi/mL	3.0E-07	6.0E-07	Interim Final PDWS (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 PDWS (EPA, 1997a)
Glyphosate	µg/L	350	700	Final PDWS (EPA, 1997a)
Gross alpha	µCi/mL	7.5E-09	1.5E-08	Final PDWS (EPA, 1997a)
Heptachlor	µg/L	0.2	0.4	Final PDWS (EPA, 1997a)
Heptachlor epoxide	µg/L	0.1	0.2	Final PDWS (EPA, 1997a)
Heptachlorodibenzo-p-dioxins	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-furans	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	1.0	Final PDWS (EPA, 1997a)
Hexachlorobutadiene	µg/L	5.0	10	EPA Method 8270
Hexachlorocyclopentadiene	µg/L	25	50	Final PDWS (EPA, 1997a)
Hexachlorodibenzo-p-dioxins	µg/L	0.008	0.016	EPA Method 8280
1,2,3,4,7,8-HXCCD	µg/L	0.0105	0.021	EPA Method 8280
Hexachlorodibenzo-p-furans	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

### Flagging Criteria

Analyte	Unit	Flag 1	Flag 2	Source†
Hexachloroethane	µg/L	0.5	1.0	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	1.0	EPA Method 8270
Iodine	µg/L	250	500	APHA Method 415A
Iodine-129	µCi/mL	5.0E-10	1.0E-09	Interim Final PDWS (EPA, 1977)
Iodine-131◆	µCi/mL	1.5E-09	3.0E-09	Interim Final PDWS (EPA, 1977)
Iodomethane (Methyl iodide)	µg/L	125	250	EPA Method 8240
Iron	µg/L	150	300	SDWS (EPA, 1997b)
Iron, dissolved	µg/L	150	300	SDWS (EPA, 1997b)
Iron, total recoverable	µg/L	150	300	SDWS (EPA, 1997b)
Iron-55◆	µCi/mL	1.0E-06	2.0E-06	Interim Final PDWS (EPA, 1977)
Iron-59◆	µCi/mL	1.0E-07	2.0E-07	Interim Final PDWS (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-Isopropylbenzene	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◆	µCi/mL	3.0E-08	6.0E-08	Interim Final PDWS (EPA, 1977)
Lead	µg/L	25	50	Final PDWS (SCDHEC, 1981)
Lead, dissolved	µg/L	25	50	Final PDWS (SCDHEC, 1981)
Lead, total recoverable	µg/L	25	50	Final PDWS (SCDHEC, 1981)
Lead-212	µCi/mL	6.20E-08	1.23E-07	Proposed PDWS (EPA, 1991c)
Lindane	µg/L	0.1	0.2	Final PDWS (EPA, 1997a)
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	SDWS (EPA, 1997b)
Manganese, dissolved	µg/L	25	50	SDWS (EPA, 1997b)
Manganese, total recoverable	µg/L	25	50	SDWS (EPA, 1997b)
Manganese-54	µCi/mL	1.5E-07	3.0E-07	Interim Final PDWS (EPA, 1977)
Mercury	µg/L	1.0	2.0	Final PDWS (EPA, 1997a)
Mercury, dissolved	µg/L	1.0	2.0	Final PDWS (EPA, 1997a)
Mercury, total recoverable	µg/L	1.0	2.0	Final PDWS (EPA, 1997a)
Methacrylonitrile	µg/L	416.5	833	EPA Method 8240
Methapyrilene	µg/L	81	162	EPA Method 8270
Methoxychlor	µg/L	20	40	Final PDWS (EPA, 1997a)
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
Methyl tert-butyl ether	µg/L	5.0	10	EPA Method 8260
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	5.0	10	EPA Method 8270
Molybdenum	µg/L	250	500	EPA Method 6010
Molybdenum, dissolved	µg/L	250	500	EPA Method 6010
Molybdenum, total recoverable	µg/L	250	500	EPA Method 6010
Naphthalene	µg/L	83.5	167	EPA Method 8270
1,4-Naphthoquinone	µg/L	81	162	EPA Method 8270

### Flagging Criteria

Analyte	Unit	Flag 1	Flag 2	Source†
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 PDWS (EPA, 1991c)
Neptunium-239	µCi/mL	8.40E-07	1.68E-06	Proposed PDWS (EPA, 1991c)
Nickel	µg/L	50	100	Final PDWS (EPA, 1997a)
Nickel, dissolved	µg/L	50	100	Final PDWS (EPA, 1997a)
Nickel, total recoverable	µg/L	50	100	Final PDWS (EPA, 1997a)
Nickel-59	µCi/mL	1.5E-07	3.0E-07	Interim Final PDWS (EPA, 1977)
Nickel-63	µCi/mL	2.5E-08	5.0E-08	Interim Final PDWS (EPA, 1977)
Niobium-95◆	µCi/mL	1.5E-07	3.0E-07	Interim Final PDWS (EPA, 1977)
Nitrate as nitrogen	µg/L	5,000	10,000	Final PDWS (EPA, 1997a)
Nitrate-nitrite as nitrogen	µg/L	5,000	10,000	Final PDWS (EPA, 1997a)
Nitrite as nitrogen	µg/L	500	1,000	Final PDWS (EPA, 1997a)
m-Nitroaniline	µg/L	5.0	10	EPA Method 8270
o-Nitroaniline	µg/L	5.0	10	EPA Method 8270
p-Nitroaniline	µg/L	5.0	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	5.0E-08	Interim Final PDWS (EPA, 1977)
Octachlorodibenzo-p-dioxins	µg/L	0.0085	0.017	EPA Method 8280
Octachlorodibenzo-p-furans	µg/L	0.0065	0.013	EPA Method 8280
Odor		No flag	No flag	Set by EPD/EMS
Oil & grease	µg/L	8,350	16,700	EPA Method 413.1
Oxamyl	µg/L	100	200	Final PDWS (EPA, 1997a)
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 PDWS (EPA, 1997a)
PCB 1221	µg/L	0.25	0.5	Final PDWS (EPA, 1997a)
PCB 1232	µg/L	0.25	0.5	Final PDWS (EPA, 1997a)
PCB 1242	µg/L	0.25	0.5	Final PDWS (EPA, 1997a)
PCB 1248	µg/L	0.25	0.5	Final PDWS (EPA, 1997a)
PCB 1254	µg/L	0.25	0.5	Final PDWS (EPA, 1997a)
PCB 1260	µg/L	0.25	0.5	Final PDWS (EPA, 1997a)
PCB 1262	µg/L	0.25	0.5	Final PDWS (EPA, 1997a)
Pentachlorobenzene	µg/L	81	162	EPA Method 8270
Pentachlorodibenzo-p-dioxins	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-furans	µg/L	0.0085	0.017	EPA Method 8280
1,2,3,7,8-PCDF	µg/L	0.0085	0.017	EPA Method 8280
Pentachloroethane	µg/L	81	162	EPA Method 8270
Pentachloronitrobenzene	µg/L	81	162	EPA Method 8270
Pentachlorophenol	µg/L	0.5	1.0	Final PDWS (EPA, 1997a)
pH	pH	8.0	10	Set by EPD/EMS
pH	pH	4.0	3.0	Set by EPD/EMS
Phenacetin	µg/L	81	162	EPA Method 8270

### Flagging Criteria

Analyte	Unit	Flag 1	Flag 2	Source†
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 PDWS (EPA, 1997a)
2-Picoline	µg/L	81	162	EPA Method 8270
Plutonium-238	µCi/mL	3.51E-09	7.02E-09	Proposed PDWS (EPA, 1991c)
Plutonium-239	µCi/mL	3.11E-08	6.21E-08	Proposed PDWS (EPA, 1991c)
Plutonium-239/240	µCi/mL	3.11E-08	6.21E-08	Proposed PDWS (EPA, 1991c)
Plutonium-240	µCi/mL	3.11E-08	6.22E-08	Proposed PDWS (EPA, 1991c)
Plutonium-241◆	µCi/mL	3.13E-08	6.26E-08	Proposed PDWS (EPA, 1991c)
Plutonium-242◆	µCi/mL	3.27E-08	6.54E-08	Proposed PDWS (EPA, 1991c)
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	3.0E-07	Proposed PDWS (EPA, 1986a)
Promethium-144	µCi/mL	5.0E-08	1.0E-07	EPA Method 901.1
Promethium-146	µCi/mL	5.0E-08	1.0E-07	EPA Method 901.1
Promethium-147	µCi/mL	2.62E-06	5.24E-06	Proposed PDWS (EPA, 1991c)
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	2.5E-09	5.0E-09	Interim Final PDWS (EPA, 1977)
Radium-226	µCi/mL	2.5E-09	5.0E-09	Interim Final PDWS (EPA, 1977)
Radium-228	µCi/mL	2.5E-09	5.0E-09	Interim Final PDWS (EPA, 1977)
Radon-222	µCi/mL	1.5E-07	3.0E-07	Proposed PDWS (EPA, 1991c)
Ruthenium-103◆	µCi/mL	1.0E-07	2.0E-07	Interim Final PDWS (EPA, 1977)
Ruthenium-106	µCi/mL	1.5E-08	3.0E-08	Interim Final PDWS (EPA, 1977)
Safrole	µg/L	81	162	EPA Method 8270
Selenium	µg/L	25	50	Final PDWS (EPA, 1997a)
Selenium, dissolved	µg/L	25	50	Final PDWS (EPA, 1997a)
Selenium, total recoverable	µg/L	25	50	Final PDWS (EPA, 1997a)
Silica		No flag	No flag	Set by EPD/EMS
Silica, dissolved		No flag	No flag	Set by EPD/EMS
Silica, total recoverable		No flag	No flag	Set by EPD/EMS
Silver	µg/L	50	100	SDWS (EPA, 1997b)
Silver, dissolved	µg/L	50	100	SDWS (EPA, 1997b)
Silver, total recoverable	µg/L	50	100	SDWS (EPA, 1997b)
Simazine	µg/L	2.0	4.0	Final PDWS (EPA, 1997a)
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 PDWS (EPA, 1991c)
Specific conductance	µS/cm	250	500	Set by EPD/EMS
Strontium-89	µCi/mL	1.0E-08	2.0E-08	Interim Final PDWS (EPA, 1977)
Strontium-89/90	µCi/mL	4.0E-09	8.0E-09	Final PDWS (EPA, 1997a)
Strontium-90	µCi/mL	4.0E-09	8.0E-09	Final PDWS (EPA, 1997a)
Styrene	µg/L	50	100	Final PDWS (EPA, 1997a)
Sulfate	µg/L	200,000	400,000	Proposed PDWS (EPA, 1990)
Sulfide	µg/L	8,350	16,700	EPA Method 9030
Sulfotepp	µg/L	81	162	EPA Method 8270
Surfactants		No flag	No flag	Set by EPD/EMS
2,3,7,8-TCDD	µg/L	0.007	0.014	Final PDWS (EPA, 1997a)

### Flagging Criteria

Analyte	Unit	Flag 1	Flag 2	Source†
2,3,7,8-TCDF	µg/L	0.00425	0.0085	EPA Method 8280
Technetium-99	µCi/mL	4.5E-07	9.0E-07	Interim Final PDWS (EPA, 1977)
1,2,4,5-Tetrachlorobenzene	µg/L	81	162	EPA Method 8270
Tetrachlorodibenzo-p-dioxins	µg/L	0.007	0.014	EPA Method 8280
Tetrachlorodibenzo-p-furans	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	5.0	Final PDWS (EPA, 1997a)
2,3,4,6-Tetrachlorophenol	µg/L	83.5	167	EPA Method 8270
Thallium	µg/L	1.0	2.0	Final PDWS (EPA, 1997a)
Thallium, dissolved	µg/L	1.0	2.0	Final PDWS (EPA, 1997a)
Thallium, total recoverable	µg/L	1.0	2.0	Final PDWS (EPA, 1997a)
Thionazin	µg/L	81	162	EPA Method 8270
Thorium-228	µCi/mL	6.25E-08	1.25E-07	Proposed PDWS (EPA, 1991c)
Thorium-230	µCi/mL	3.96E-08	7.92E-08	Proposed PDWS (EPA, 1991c)
Thorium-232	µCi/mL	4.4E-08	8.8E-08	Proposed PDWS (EPA, 1991c)
Thorium-234◆	µCi/mL	2.0E-07	4.01E-07	Proposed PDWS (EPA, 1991c)
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	3.0E-07	Interim Final PDWS (EPA, 1977)
Toluene	µg/L	500	1,000	Final PDWS (EPA, 1997a)
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 PDWS (EPA, 1997a)
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	3.0	Final PDWS (EPA, 1997a)
2,4,5-TP (Silvex)	µg/L	25	50	Final PDWS (EPA, 1997a)
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 PDWS (EPA, 1997a)
1,1,1-Trichloroethane	µg/L	100	200	Final PDWS (EPA, 1997a)
1,1,2-Trichloroethane	µg/L	2.5	5.0	Final PDWS (EPA, 1997a)
Trichloroethylene	µg/L	2.5	5.0	Final PDWS (EPA, 1997a)
Trichlorofluoromethane	µg/L	10	20	EPA Method 8240
2,4,5-Trichlorophenol	µg/L	5.0	10	EPA Method 8270
2,4,6-Trichlorophenol	µg/L	0.5	1.0	EPA Method 8270
2,4,5-Trichlorophenoxyacetic acid	µg/L	0.25	0.5	EPA Method 8150
1,2,3-Trichloropropane	µg/L	10	20	EPA Method 8240
Trichlorotrifluoroethane	µg/L	50	100	EPA Method 8260
O,O,O-Triethyl phosphorothioate	µg/L	81	162	EPA Method 8270
1,2,4-Trimethylbenzene	µg/L	5	10	EPA Method 8260
1,3,5-Trimethylbenzene	µg/L	5	10	EPA Method 8260
1,3,5-Trinitrobenzene	µg/L	81	162	EPA Method 8270
Tritium	µCi/mL	1.0E-05	2.0E-05	Final PDWS (EPA, 1997a)
Turbidity*		No flag	No flag	Set by EPD/EMS
Uranium	µg/L	10	20	Proposed PDWS (EPA, 1991c)
Uranium alpha activity	µCi/mL	1.5E-08	3.0E-08	Proposed PDWS (EPA, 1991c)
Uranium, dissolved	µg/L	10	20	Proposed PDWS (EPA, 1991c)
Uranium, total recoverable	µg/L	10	20	Proposed PDWS (EPA, 1991c)
Uranium-233/234⊕	µCi/mL	6.9E-09	1.38E-08	Proposed PDWS (EPA, 1991c)
Uranium-234	µCi/mL	6.95E-09	1.39E-08	Proposed PDWS (EPA, 1991c)

### Flagging Criteria

Analyte	Unit	Flag 1	Flag 2	Source†
Uranium-235	µCi/mL	7.25E-09	1.45E-08	Proposed PDWS (EPA, 1991c)
Uranium-238	µCi/mL	7.3E-09	1.46E-08	Proposed PDWS (EPA, 1991c)
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 PDWS (EPA, 1997a)
Yttrium-88	µCi/mL	5.0E-08	1.0E-07	EPA Method 901.1
Zinc	µg/L	2,500	5,000	SDWS (EPA, 1997b)
Zinc, dissolved	µg/L	2,500	5,000	SDWS (EPA, 1997b)
Zinc, total recoverable	µg/L	2,500	5,000	SDWS (EPA, 1997b)
Zinc-65	µCi/mL	1.5E-07	3.0E-07	Interim Final PDWS (EPA, 1977)
Zirconium-95	µCi/mL	1.0E-07	2.0E-07	Interim Final PDWS (EPA, 1977)
Zirconium/Niobium-95◆	µCi/mL	1.0E-07	2.0E-07	Interim Final PDWS (EPA, 1977)

† Analytical methods are discussed in the **Analytical Data Review** section of this document; references for dated sources are in the **References** section.

- ◆ EMS discontinued monitoring this radionuclide because it is inappropriate for the SRS Groundwater Monitoring Program.
- ❖ EPD/EMS set this flagging criterion using the 1991 proposed PDWS because the final PDWS in 1977 may have been in error.
- ⊕ When radionuclide analyses are combined, the lower DWS of the two isotopes is used for flagging.
- ⊗ The primary maximum contaminant level range for turbidity is 1–5 NTU, which is inappropriate for the SRS Groundwater Monitoring Program.

Note: Beginning fourth quarter 1992, samples were no longer filtered at the wells. Therefore, the methods for analyzing metals now include a digestion step. Beginning fourth quarter 1993, the laboratories were required to report all metals as total recoverable metals. Flagging criteria remain unchanged.

## Flagging Criteria

# Sample Scheduling

Scheduling of sampling and analyses for the SRS Groundwater Monitoring Program conducted by EPD/EMS is based on several factors. Environmental screening is scheduled on a regular basis. Additional scheduling is based on previous flagging levels, regulatory requirements, and special requests that fall within the scope of the Groundwater Monitoring Program. This information is used to generate *The Savannah River Site's Groundwater Monitoring Program 1999 Sampling Schedule*.

A breakdown by laboratory of the total number of analyses performed during second quarter 1999 follows:

<b>Laboratory</b>	<b>Number of Analyses</b>
EMAX Laboratories, Inc.	9,908
Environmental Physics	2,834
General Engineering Laboratories	8,676
Recra LabNet Philadelphia	13,630
Thermo NUtech	1,269
Mobile Lab	141

## ENVIRONMENTAL SCREENING

New wells designated as screening program wells are scheduled initially for four quarters of environmental screening. Environmental-screening constituents, which include indicator parameters, groundwater quality characteristics, and some drinking water characteristics, are listed below. After the initial four quarters of analyses for new wells, environmental screening is scheduled once every three years for wells identified as environmental-screening program wells. The wells are sampled only for the environmental-screening constituents that have not been analyzed within the past three years.

Beginning in 1996, EPD/EMS changed its policy concerning quarterly field measurements. Only wells scheduled by request or wells identified for environmental screening receive field measurements.

### **Environmental-Screening Constituents**

Aluminum	pH	Well condition	Mercury
Arsenic	Phenolphthalein alkalinity	Fluoride	Nitrate-nitrite as nitrogen
Barium	Program	Gross alpha	Nonvolatile beta
Boron	Sampling method	Iron	Selenium
Cadmium	Site code	Lead	Silver
Chloride	Specific conductance	Lithium	Sodium
Chromium	Stabilized (Yes or No)	Major ions	Sulfate
Field measurements	Time	Calcium	Total dissolved solids
Air temperature	Total alkalinity	Magnesium	Total organic carbon
Date	Turbidity	Potassium	Total organic halogens
Depth to water	Volume purged	Silica	Total phosphates (as P)
Flow rate	Water temperature	Manganese	Tritium

## Scheduling Based on Flagging Levels

Only the flagging criteria for environmental screening and GC VOA (see **Glossary**) are used to trigger scheduling. Wells are grouped for scheduling by monitoring site or by the investigation for which they are sampled. Specific criteria for Flag 1 and Flag 2 designations are found in the **Flagging Criteria** section of this report.

Beginning in 1996, only wells in the environmental-screening program were scheduled by flagging criteria once a year. Constituents classified as Flag 0 in each well series are scheduled for analyses only by custodian request or as part of the triennial environmental-screening program. If an analytical result for an environmental-screening or GC VOA analysis in any well exceeds Flag 2 or Flag 1, the environmental-screening wells in the same monitoring series are sampled and analyzed for that constituent once a year. If a constituent falls below Flag 2 for three consecutive sampling events, the individual well's flag is reduced from Flag 2 status to Flag 1 or Flag 0 status, depending on the results, and the well is scheduled according to the lower flag. If a constituent falls below Flag 1 for three consecutive sampling events, the individual well's flag is reduced from Flag 1 status to Flag 0 status, and the flagging-based sampling ceases.

If an environmental-screening or GC VOA constituent has ever been flagged in a well series, it automatically is flagged for all new wells of that series that are designated as environmental-screening wells. The rules previously referred to also apply to removal of a flag from a new well.

When one or more of the five constituents in the GC VOA suite are flagged, the entire suite is scheduled for analysis. The GC VOA suite includes the following: carbon tetrachloride, chloroform, tetrachloroethylene, 1,1,1-trichloroethane, and trichloroethylene.

The following constituents are exceptions to the flagging rules but still receive analyses by custodian request or during triennial environmental-screening analyses:

- Specific conductance and pH, two indicator constituents, have flagging criteria but do not trigger the scheduling mechanism.
- No flags are set for the following indicator parameters and major cations: alkalinity, 5-day biochemical oxygen demand, calcium, carbonate, chemical oxygen demand, magnesium, potassium, silica, sodium, total dissolved solids, total phosphates (as P), and total phosphorus.
- Aesthetic analyses such as color, odor, corrosivity, Eh, turbidity, and surfactants will not be assigned flagging criteria but may be analyzed by special request.
- Common laboratory contaminants and cleaners including phthalates, dichloromethane (methylene chloride), ketones, and toluene are not assigned flagging criteria unless they have primary drinking water standards. These constituents may be analyzed by special request.

## **GCMS VOA ANALYSES**

All wells are reviewed for total organic halogens (TOH) results twice a year. GCMS VOA (see **Glossary**) is scheduled once for individual wells that are designated as environmental-screening wells, have had two results for TOH greater than 10 µg/L (excluding the first TOH analysis), and have never received GCMS VOA analysis.

## **SAMPLING REQUESTS**

Many analyses are scheduled at the request of various SRS groups. The person or group requesting an analysis must submit a formal sampling request form to EPD/EMS. If the request is within the scope of the Groundwater Monitoring Program, and if provision for the analysis has been made in the current laboratory contract, the analysis is added to the sampling schedule. Likewise, if a sampling request should be deleted, the originator of the request must submit a deletion form.

## **Regulatory Requirements**

All regulatory sampling requirements, such as those mandated by the Resource Conservation and Recovery Act (RCRA), are scheduled by request.

## **Changes in Sampling**

For changes in sampling for second quarter 1999, please refer to *The Savannah River Site's Groundwater Monitoring Program 1999 Sampling Schedule*.

The following RCRA Facility Investigation/Remedial Investigation (RFI/RI) and South Carolina Department of Health and Environmental Control (SCDHEC) projects were in process during second quarter 1999:

- F- and H-Area Seepage Basins
- F- and H-Area Water Treatment Unit Injection Tanks
- M-Area Hazardous Waste Management Facility
- Mixed Waste Management Facility
- Old Burial Ground
- Sanitary Landfill

### **CERCLA Projects**

The following Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) projects were either in process or new during second quarter 1999:

- C-Area Reactor Seepage Basin
- Central Shops Sewage Sludge Lagoon
- 488-D Ash Basin and D-Area Coal Pile Runoff Basin Operable Unit
- D-Area Burning/Rubble Pits
- D-Area Oil Seepage Basin
- K-Area Coal Pile Runoff Containment Basin
- P-Area Reactor Seepage Basin
- R-Area Reactor Seepage Basin
- Silverton Road Waste Unit
- TNX Area

### **NEW WELLS SCHEDULED FOR SAMPLING**

The following wells were scheduled for sampling for the first time during second quarter 1999: wells CSL 21D, 22D, 23D, 24D, 25D, 26D, and 27D; DCB 33A; and TNX 61D, 61M, 61S, 65D, 65M, 65S, 66D, 66M, 66S, 72D, 72M, and 72S. All data collected from them were subjected to standard verification and validation processes and are presented in the **Analytical Results** table in Appendix B of this report. In addition, wells MSB 90C, 90TB, 91C, 91TB, and 92C were scheduled for sampling for the first time during second quarter. Data collected from these wells were not subjected to standard verification and validation processes and are therefore presented separately in the **Analytical and Sampling Blanks Results for MSB Wells** table presented in Appendix D of this report.

### **DRY WELLS**

Chains for the following wells were returned for second quarter 1999 because the wells were dry: TNX 61D, 61M, 61S, 65M, 65S, 66D, 66M, 66S, 72D, 72M, and 72S. All of these wells were placed on the schedule for sampling during third quarter 1999.

## **PURGE-WATER CONTAINMENT PROGRAM**

Beginning in 1991, a purge-water containment program was partially implemented to dispose properly of the water purged from certain wells before sampling. According to the *Investigation-Derived Waste Management Plan* (WSRC, 1995), additional wells were identified for purge-water treatment at the M-1 Air Stripper and the F- and H-Area Effluent Treatment Facility. The program has been implemented, and no well that was scheduled for analysis as part of the Groundwater Monitoring Program during second quarter 1999 was not sampled.

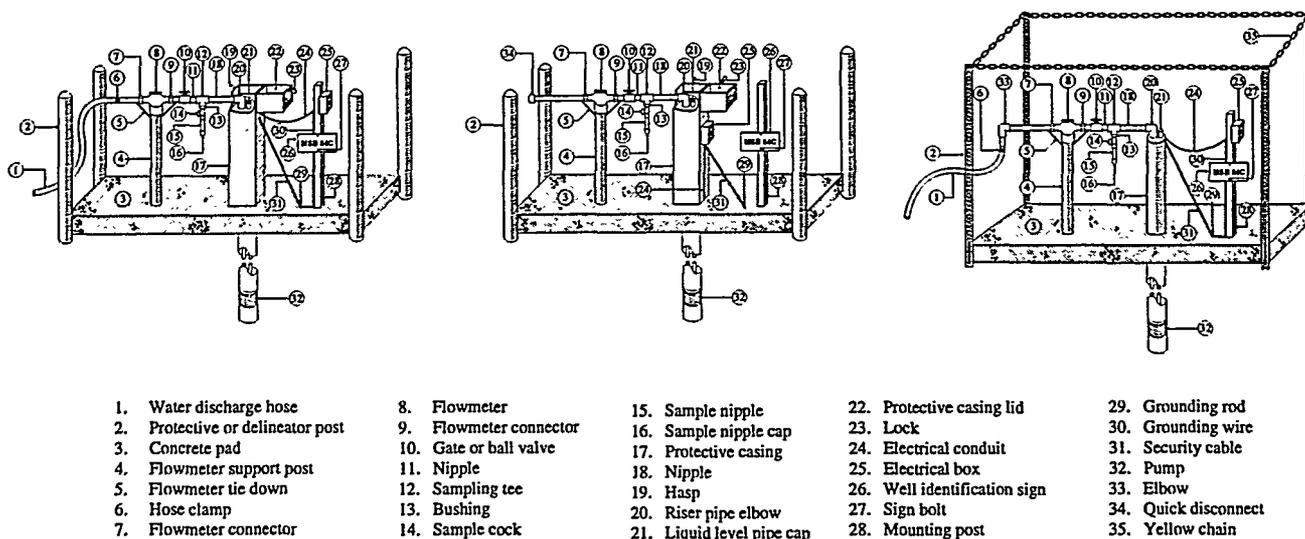
# Field Notes

A sampler may visit a well to collect field data, collect samples, and/or measure depth to water. A well may be visited multiple times during a quarter for any combination of these reasons. Field measurements generally include air temperature, depth to water prior to pumping, dissolved oxygen, Eh (REDOX potential), flow rate, pH, phenolphthalein alkalinity, specific conductance, total alkalinity, turbidity, volume of water purged prior to sampling, and water temperature.

EPD/EMS personnel and RCS Corporation of Aiken, SC, performed well visitations during second quarter 1999. Each sampler maintained a field notebook. These notebooks are in the second quarter 1999 section of the EPD/EMS Groundwater Monitoring Library. All well visitations were routine during second quarter 1999, except as indicated in table 3. The table includes samplers' comments on conditions that may affect the samples or the data-collection process. The majority of wells sampled during second quarter 1999 were pumped. Bailed wells are listed in table 66 in the Quality Control Samples section.

If a well pumps or is bailed dry during purging and is revisited and sampled within 24 hours, this is considered one sampling event yielding a single set of field and analytical data. For such wells, table 3 lists the volume purged before the well went dry during the first visitation. The **Analytical Results** section gives the total amount of water purged from each well in one sampling event.

Comments about dry wells and continuously pumping wells are in the **Analytical Results** section.



**Figure 3. Three Types of Groundwater Monitoring Wellheads**

**Table 3. Comments from the Field Data**

<i>Well</i>	<i>Date</i>	<i>Comments</i>
<b>BGO Series</b>		
BGO 2D	05/18/99	No water in standpipe; pump not receiving power, unable to sample
	06/21/99	No water in standpipe
BGO 3C	05/18/99	Dry after 19 gal
BGO 4D	05/18/99	Dry after 3 gal
BGO 5C	05/18/99	Dry after 24 gal
BGO 5D	05/24/99	Dry after 8 gal
BGO 6B	05/18/99	Dry after 39 gal
BGO 6D	05/24/99	Dry after 9 gal
BGO 8AR	05/18/99	Not sampled due to mechanical problems; needs maintenance
	06/04/99	Dry after 42 gal; flow rate too slow for meter to spin; all samples not collected
	06/07/99	No water to surface; unable to sample, needs maintenance
BGO 10C	05/17/99	Dry after 38 gal
BGO 10DR	05/06/99	Dry after 3 gal
BGO 13DR	05/20/99	Dry after 6 gal
BGO 14CR	05/25/99	Dry after 14 gal
BGO 16B	05/18/99	Dry after 43 gal
BGO 16D	05/18/99	Dry after 3 gal
BGO 17DR	05/20/99	Dry after 14 gal
BGO 20D	04/14/99	Dry after 9 gal
	05/19/99	Dry after 9 gal
	06/14/99	Dry after 7 gal
BGO 21D	05/19/99	Dry after 7 gal
BGO 24D	05/19/99	Dry after 7 gal
BGO 33D	04/13/99	Dry after 7 gal
	05/17/99	Dry after 8 gal
	06/14/99	Dry after 6 gal
	06/15/99	Dry after 2 gal; pumped dry while trying to lower turbidity
BGO 34D	04/13/99	Dry after 8 gal
	05/17/99	Dry after 10 gal
	06/14/99	Dry after 10 gal
BGO 35D	04/13/99	Dry after 5 gal
	05/17/99	Dry after 6 gal
	06/14/99	Dry after 6 gal
BGO 36D	04/13/99	Dry after 7 gal
	05/17/99	Dry after 7 gal
	06/14/99	Dry after 7 gal
BGO 37D	04/13/99	Dry after 4 gal
	05/20/99	Dry after 5 gal
	06/14/99	Dry after 4 gal
BGO 38D	04/13/99	Dry after 8 gal
	05/17/99	Dry after 7gal
	06/14/99	Dry after 9 gal
BGO 39D	04/14/99	Dry after 5 gal
	05/17/99	Dry after 4 gal
	06/14/99	Dry after 4 gal
BGO 49D	04/13/99	Dry after 7 gal; no water in standpipe
	05/17/99	Dry after 8 gal; no water in standpipe
	06/14/99	Dry after 6 gal; no water in standpipe
BGO 51D	04/14/99	Dry after 1 gal
	05/18/99	Dry after 2 gal
	06/14/99	Dry after 1 gal

<i>Well</i>	<i>Date</i>	<i>Comments</i>
BGO 52D	04/14/99 05/19/99 06/14/99	Dry after 2 gal Dry after 1 gal Dry after 1 gal
<b>BRR Series</b>		
BRR 5D	06/07/99	Dry after 6 gal
<b>CCB Series</b>		
CCB 4	06/08/99	Not sampled due to mechanical problems; needs maintenance
<b>CDB Series</b>		
CDB 1	06/08/99	Dry after 12 gal
CDB 2	06/08/99	Dry after 18 gal
<b>CMP Series</b>		
CMP 11D	06/08/99	Dry after 6 gal
<b>CRP Series</b>		
CRP 5D	06/08/99	Dry after 2 gal
CRP 11D	06/04/99	Well partially removed; not sampled
<b>CSB Series</b>		
CSB 1A	06/08/99	Dry after 8 gal
CSB 2A	06/08/99	Dry after 6 gal; flowmeter broken
<b>CSD Series</b>		
CSD 1D	06/08/99	Not sampled due to mechanical problems; needs maintenance
<b>CSL Series</b>		
CSL 25	04/13/99	Dry after 6 gal
CSL 26	04/13/99	Pump overloads box; unable to sample
CSL 27	04/13/99 04/15/99	Dry after 2 gal Dry after 2 gal
<b>DBP Series</b>		
DBP 1	04/13/99	Flowmeter broken, flow rate estimated
<b>DCB Series</b>		
DCB 27	05/10/99 05/12/99	Could not sample because turbidity would not fall below 15 NTU Well could not stabilize due to turbidity, sample was pulled at 33.0 NTU
DCB 30	05/10/99 05/11/99 05/12/99	Dry after 4 gal Dry after 12 gal Dry after 1 gal; high turbidity
<b>DOB Series</b>		
DOB 12	06/03/99	Flowmeter stopped working; purged through sample port
<b>FAB Series</b>		
FAB 2	06/10/99	Dry after 13 gal
FAB 3	06/10/99 06/15/99	Dry after 9 gal Dry after 12 gal

### **Field Notes**

<i>Well</i>	<i>Date</i>	<i>Comments</i>
FAB 4	06/10/99	Dry after 38 gal
<b>FBP Series</b>		
FBP 3A	06/14/99	Well not sampled because pump is broken
FBP 6D	06/14/99	Dry after 5 gal
FBP 10D	06/15/99	High turbidity
<b>FCB Series</b>		
FCB 5	06/15/99	Dry after 5 gal
<b>FSB Series</b>		
FSB 78C	04/09/99	Dry after 18 gal
FSB 79	04/07/99	Pump broken, control box display "Ground Fault;" unable to sample
FSB 87D	04/06/99	No water in standpipe; needs maintenance, unable to sample
FSB 90D	04/26/99	No water in standpipe
	04/08/99	Dry after 5 gal; no water in standpipe
FSB 91C	04/09/99	No water in standpipe
	04/06/99	Dry after 30 gal
FSB 93D	04/12/99	Dry after 3 gal
FSB 94C	04/09/99	Dry after 8 gal
FSB 97D	04/07/99	Dry after 9 gal
FSB 98C	04/05/99	Unable to sample; ground fault occurred
FSB 98D	05/04/99	Dry after 5 gal
FSB106D	04/12/99	Dry after 2 gal; no water in standpipe
	04/19/99	Dry after 1 gal; no water in standpipe
	04/20/99	Dry after 5 gal; no water in standpipe; purged 5 gal through sample port to lower turbidity
FSB107D	04/26/99	Dry after 1 gal; no water in standpipe
	04/08/99	Unable to sample; control box displays "Ground Fault"
FSB108D	04/12/99	Dry after 8 gal
FSB113A	04/05/99	Dry after 40 gal
FSB115C	04/05/99	Dry after 18 gal
FSB116D	04/06/99	Dry after 1 gal
FSB117D	04/09/99	Riser-pipe elbow broken; well was repaired same day and sampled
FSB119D	04/08/99	Dry after 7 gal
	04/09/99	High turbidity, all samples collected
FSB120A	04/06/99	Dry after 41 gal
FSB120D	04/06/99	Dry after 8 gal
FSB121DR	04/07/99	Dry after 10 gal
<b>FSL Series</b>		
FSL 1D	04/28/99	Dry after 1 gal
FSL 2D	04/12/99	Dry after 7 gal
FSL 4D	04/12/99	Dry after 1 gal
FSL 7D	04/07/99	Dry after 1 gal
FSL 8D	04/07/99	Dry after 2 gal
FSL 9D	04/07/99	Dry after 6 gal
<b>HR3 Series</b>		
HR3 14DU	06/02/99	Dry after 7 gal

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**Field Notes**

<i>Well</i>	<i>Date</i>	<i>Comments</i>
<b>HSB Series</b>		
HSB 68	04/12/99	4 gal purged through sample port to lower turbidity
HSB 68C	04/26/99	Dry after 19 gal
HSB 70C	04/26/99	Dry after 25 gal
HSB 71C	04/26/99	Dry after 20 gal
HSB 84A	04/13/99	Box was overloading and tripping breaker, unable to sample
HSB 84B	04/13/99	Flowmeter broken, will not spin; estimated flow rate in 3-gal pail at 2.5 gal per min
HSB 84C	04/13/99	Dry after 14 gal
HSB 85B	04/21/99	Dry after 45 gal
HSB102D	04/13/99	Dry after 3 gal; not enough water volume to make meter spin, volume purged estimated
HSB107D	04/13/99	Flowmeter broken, volume purged estimated
HSB108D	04/13/99	Flow rate too slow for meter to spin, volume purged estimated
HSB109C	04/19/99	Flowmeter broken, flow rate and volume purged estimated
HSB109D	04/13/99	Dry after 1 gal; no water in standpipe
HSB110C	04/19/99	Dry after 13 gal
HSB112E	04/26/99	Dry after 4 gal; no water in standpipe
HSB113D	04/20/99	Dry after 2 gal
HSB114D	04/20/99	No power to the pump, unable to sample
HSB115D	04/20/99	Dry after 2 gal
	04/21/99	Purged 10 gal through sample port to lower turbidity
HSB123A	04/21/99	Dry after 21 gal
HSB126D	04/19/99	Dry after 8 gal
HSB129C	04/26/99	Dry after 28 gal
HSB132C	04/20/99	Dry after 41 gal
HSB136C	04/26/99	Dry after 22 gal
HSB137C	04/26/99	Dry after 26 gal
HSB138D	04/22/99	Dry after 4 gal
HSB139C	04/26/99	Dry after 27 gal
HSB141A	04/15/99	Dry after 84 gal
HSB141D	04/15/99	Dry after 22 gal
HSB142D	04/15/99	Dry after 2 gal
HSB147D	04/22/99	Dry after 7 gal
HSB148C	04/21/99	Dry after 22 gal
HSB148D	04/21/99	Dry after 4 gal
HSB150D	04/21/99	Dry after 12 gal
HSB152D	04/23/99	Dry after 4 gal; no water in standpipe
<b>HSL Series</b>		
HSL 7D	04/23/99	Dry after 5 gal
<b>IDP Series</b>		
IDP 10	06/30/99	No water in standpipe; pump is broken, unable to sample
<b>KBP Series</b>		
KBP 1D	06/17/99	Dry after 5 gal
KBP 2D	06/16/99	Dry after 1 gal
<b>KCB Series</b>		
KCB 5	05/13/99	Dry after 6 gal
<b>KDB Series</b>		
KDB 1	04/27/99	Dry after 5 gal; purged 1 gal through sample port
	05/21/99	Dry after 15 gal
	06/21/99	Dry after 16 gal

**Field Notes**

<i>Well</i>	<i>Date</i>	<i>Comments</i>
KDB 3	04/27/99	Dry after 17 gal
	05/21/99	Dry after 15 gal
	06/21/99	Dry after 19 gal
KDB 4	04/27/99	Dry after 4 gal; no water in standpipe; depth to water not recorded, tape hit top of pump; purged 1 gal through sample port
	05/21/99	Dry after 5 gal; no water in standpipe; flowmeter does not work
KDB 5	06/21/99	Dry after 5 gal; no water in standpipe
	04/27/99	Dry after 7 gal
	05/21/99	Dry after 7 gal
	06/21/99	Dry after 8 gal
<b>LBP Series</b>		
LBP 1D	06/16/99	Dry after 2 gal
<b>LDB Series</b>		
LDB 1	04/27/99	Dry after 20 gal; flowmeter on backwards, will repair after sampling
LDB 2	05/21/99	Well not sampled, needs plumbing
	04/27/99	Dry after 24 gal
	05/21/99	Dry after 18 gal
LDB 3	06/21/99	Dry after 23 gal
	04/27/99	Well not accessible, roped off for walking path construction, unable to sample
LDB 4	04/27/99	Dry after 6 gal
	05/21/99	Dry after 7 gal
	06/21/99	Dry after 8 gal
<b>LFW Series</b>		
LFW 30	05/05/99	Pipe broken, unable to sample
LFW 60D	06/07/99	Dry after 16 gal
LFW 62D	06/07/99	Dry after 6 gal
<b>RSA Series</b>		
RSA 7	05/14/99	No water in standpipe; wrong plug for electrical box, unable to sample
	05/26/99	Dry after 2 gal; no water in standpipe
	05/27/99	No water in standpipe
RSA 8	06/16/99	Dry after 4 gal; no water in standpipe
	05/13/99	Dry after 6 gal; no water in standpipe
	05/14/99	No water in standpipe
	06/16/99	Dry after 10 gal; no water in standpipe
<b>RSD Series</b>		
RSD 1	05/13/99	Dry after 17 gal
	05/14/99	Dry after 5 gal
	06/16/99	Dry after 6 gal; well went dry after 1 gal trying to lower turbidity
RSD 3	05/13/99	Dry after 29 gal
	06/16/99	Dry after 4 gal
<b>RSE Series</b>		
RSE 1A	05/14/99	Dry after 6 gal
	06/16/99	Pump will not operate; unable to sample
RSE 2	05/13/99	Dry after 8 gal
	06/16/99	Dry after 6 gal

**Field Notes**

<i>Well</i>	<i>Date</i>	<i>Comments</i>
RSE 7	05/13/99 06/16/99	Dry after 2 gal Dry after 7 gal; well want dry after 1 gal trying to lower turbidity
RSE 8	05/13/99 06/16/99	Dry after 20 gal Dry after 12 gal
<b>RWM Series</b>		
RWM 1	04/14/99 05/17/99 06/14/99	No water in standpipe No water in standpipe No water in standpipe
RWM 2	05/17/99 06/14/99	No water in standpipe No water in standpipe
RWM 3	04/14/99 06/14/99	No water in standpipe No water in standpipe
RWM 7	06/14/99	Flowmeter not working
RWM 8	05/17/99	Well not operating, unable to sample
RWM 9	06/14/99	Well not running, unable to sample
RWM 12	06/14/99	Flowmeter not working
<b>SRW Series</b>		
SRW 8	05/06/99	No water in standpipe
SRW 18	05/10/99 05/12/99	Samples not collected due to high turbidity High turbidity
SRW 19	05/06/99 05/10/99	Dry after 3 gal Purged through sample port due to high turbidity
<b>TBG Series</b>		
TBG 3	05/07/99	Dry after 10 gal
TBG 6	05/07/99	Dry after 13 gal
<b>TIR Series</b>		
TIR 1L	05/03/99	Sampled with disposable hand-held pump
TIR 1M	05/03/99	Sampled with disposable hand-held pump
TIR 1U	05/07/99	Sampled with disposable hand-held pump
<b>TNX Series</b>		
TNX 1D	05/04/99	Dry after 12 gal
TNX 2D	05/04/99	Dry after 5 gal
TNX 3D	05/07/99	Dry after 3 gal
TNX 4D	05/04/99	Dry after 6 gal
TNX 5D	05/04/99	Dry after 5 gal
TNX 6D	05/04/99	Dry after 3 gal
TNX 7D	05/04/99	Dry after 11 gal
TNX 14D	05/03/99	Sampled with disposable hand-held pump
TNX 16D	05/03/99	Sampled with disposable hand-held pump
TNX 18D	05/03/99	Sampled with disposable hand-held pump
TNX 20B	05/03/99	Sampled with disposable hand-held pump
TNX 20D	05/03/99	Sampled with disposable hand-held pump
TNX 24D	05/05/99	Purged through sample port due to high turbidity
TNX 26D	05/03/99 06/09/99 06/17/99	Sampled with disposable hand-held pump Disposable pump stopped working, well not sampled Sampled with disposable hand-held pump
TNX 61D	06/29/99	Dry after 1 gal
TNX 61M	06/29/99	Dry after 1 gal
TNX 61S	06/29/99	Not enough water to come to surface
TNX 65D	06/29/99	Dry after 1 gal
TNX 65M	06/29/99	No water to surface
TNX 65S	06/29/99	Well is dry
TNX 66D	06/29/99	No water to surface

### **Field Notes**

<i>Well</i>	<i>Date</i>	<i>Comments</i>
TNX 66M	06/29/99	No water to surface
TNX 66S	06/29/99	No water to surface
TNX 72D	06/28/99	Dry after less than 0.5 gal
	06/29/99	Not enough water to come to surface
TNX 72M	06/28/99	Not enough water to come to surface
TNX 72S	06/28/99	No water in standpipe (dry)
<b>TRW Series</b>		
TRW 3	04/22/99	No water in standpipe; probe came up dry
	05/17/99	No water in standpipe
<b>XSB Series</b>		
XSB 3A	05/05/99	No water in standpipe

# Analytical Data Review

The SRS Groundwater Monitoring Program evaluates all data systematically to provide high-quality data for reporting on the environmental monitoring and cleanup efforts at SRS. Data verification and validation are continuous, interactive processes, usually completed within 60 days after the last data are received for a quarter.

EX, GE, and WA, the primary contracting laboratories for sample analyses, performed all analyses with the following exceptions:

- The EM Lab at SRS conducted total-activity analyses of samples for shipping clearance. The EM Lab also conducted tritium analyses of samples from specified well series. Data from the EM Lab for second quarter 1999 were not available in time for publication in this report.
- GE subcontracted radionuclide analyses to GP, and WA subcontracted radionuclide analyses to TM. GP and TM conducted gross alpha, nonvolatile beta, tritium, and selected radionuclide analyses.
- ML performed on-site analyses of volatile and semivolatile organics and metals.

## GIMS DATA REVIEW MODULE

The Geochemical Information Management System (GIMS) is a combination of hardware, software, data, and procedures that supports EPD/EMS' data management activities. The GIMS Data Review Module provides automated data loading, validation and verification functions, data editing, determination of data review status, report generation, and data review QA. The data editing program allows users to correct errors in loaded analytical, field, and shipping data. When the review process is complete, data are loaded into the permanent production database tables in GIMS and are available sitewide.

## REVIEW OF THE ANALYTICAL DATA

EPD/EMS reviews analytical data from the laboratories for errors and unusual results before releasing the data for use. The laboratories are asked to review and comment on suspect data.

Typical errors identified during data loading into GIMS include incorrect sample dates, run dates, and sample identifications; incorrectly entered analytical units, methods, and corresponding detection limits; and incorrect dilution factor calculations.

Analytical results that appear different from historical data collected since 1991 are brought to the attention of the appropriate laboratory. Thus, the laboratory is able to identify problems with some of the analyses, including incorrect dilution factor calculations and data entry errors. EPD/EMS corrects data files after receiving written notification from the laboratory. Specific details concerning the corrections are entered in the *EMS Groundwater Monitoring Program Changes to the Database Logbook*.

Samples that exceeded holding times are indicated by an EPA STORET code *Q* in the analytical results tables (see **Appendix B** for further information). The EPA STORET code *V* is used to indicate sample results associated with method laboratory blanks at the preparation step that are elevated above the instrument detection limit. Samples that were preserved incorrectly are marked with a *Y* EPA STORET code in the analytical results tables (see **Appendix B** and **Appendix D**). Usually, the *Y* indicates that the sample coolers were not cold enough. An EMS code *I* indicates that a sample's matrix spike recovery was not within control limits.

To determine if a new analytical result for a sampling site is similar to or relatively higher or lower than historical results, new results for each well are compared to its historical results using the following procedure:

- GIMS calculates the mean of the historical results and the mean of the historical results above detection for all analytes in the wells being compared. The historical results that are below their detection limit value are considered at their detection limits for the purpose of the calculation. The process eliminates any false high values due to diluted samples.
- GIMS factors in trends in the data calculated from the previous eight sampling events. If no previous data are available for a particular well/analyte combination, the program includes previous results from other wells in the same vicinity.
- Results greater than 10 times the calculated mean of the previous results are marked as "high." Results (or their detection limits if the results are below detection) less than 10 percent of the calculated mean of the previous results are marked as "low."

GIMS flags the potentially anomalous results for review. The data reviewer examines the results and takes into account individual historical values, variations of certain values, general trends in the data, and data in the prep batch associated with the current result. The data reviewer eliminates results if anomalous historical results have skewed the calculated mean. Another data reviewer inspects and confirms that the results marked as anomalous are properly identified. Anomalous results are presented to the lab for review and comment. Results significantly high or low compared with historical data are rerun by the lab.

## **Review of the Analytical Narratives**

EPD/EMS reviews the analytical narratives received from the laboratories, which are used as reference materials throughout the data validation process. Any discrepancies between the narratives and the analytical or chain-of-custody (COC) data must be resolved by the laboratories. The narratives include the following types of problems: QA samples that do not meet the criteria specified by the analytical method, problems with matrix interference, sample-specific adjustments to the method caused by high concentrations of some analytes, problems with sample preservation and holding time, instrument calibration problems, and contaminated blanks. The narratives also include additional information about COC and analytical data.

The three primary laboratories (EX, GE, and WA) and ML differ in their analytical suite assignments for certain constituents. Thus, some analytes may not be analyzed by all laboratories. See the **Sample Scheduling** and **Field Notes** sections of this report for more information on wells scheduled but not sampled this quarter.

## **Review of EX's Analytical Data**

A technical review of the quarter's analytical data identified at least one reported result for each of the analyses in table 4 as high compared with historical data. A review of the laboratory records did not reveal any problems with the analyses.

A technical review of the quarter's analytical data identified no reported results as low compared with historical data.

## **Review of GE's Analytical Data**

A technical review of the quarter's analytical data identified at least one reported result for each of the analyses in table 5 as high compared with historical data. A review of the laboratory records did not reveal any problems with the analyses.

A technical review of the quarter's analytical data identified at least one reported result for each of the analyses in table 6 as low as compared with historical data. A review of the laboratory records did not reveal any problems.

## **Review of GP's Analytical Data**

A technical review of the quarter's analytical data identified at least one reported result for each of the analyses in table 7 as high compared with historical data. A review of the laboratory records did not reveal any problems other than those listed below.

GP results for several wells were rejected due to low abundance for the following analytes: Ac-228 and Cs-134. GP results for several wells were rejected due to interference for the following analytes: K-40, Ru-106, I-129, and Zn-65

A technical review of the quarter's analytical data identified no reported results as low compared with historical data.

### **Review of WA's Analytical Data**

A technical review of the quarter's analytical data identified at least one reported result for each of the analyses in table 8 as high as compared with historical data. A review of the laboratory records did not reveal any problems.

A technical review of the quarter's analytical data identified no reported results as low compared with historical data.

### **Review of TM's Analytical Data**

A technical review of the quarter's analytical data identified at least one reported result for each of the analyses in table 9 as high as compared with historical data. A review of the laboratory records did not reveal any problems.

A technical review of the quarter's analytical data identified no reported results as low compared with historical data.

## **ANALYTICAL METHODS**

Sample analyses performed for EPD/EMS during second quarter 1999 were conducted using EPA and other methods as noted in tables 10–15 at the end of this section. EX, GE, and WA performed most of the analyses conducted during the quarter. Their methods and estimated quantitation limits (EQLs) are listed in table 10 for EX, table 11 for GE, and table 12 for WA.

ML performed some on-site analyses of volatile and semivolatile organics and metals. Their methods and EQLs are listed in table 13. GP and TM performed the radionuclide analyses during second quarter 1999. Radionuclide methods generally are modified by the laboratories performing the analyses. Their methods and EQLs are listed in table 14 for GP and table 15 for TM.

The EM Lab conducted selected radionuclide analyses of samples required by the Groundwater Monitoring Program. The total activity method used by the EM Lab is an in-house method based on applicable EPA, DOE, or other procedures. Methods used by EPD/EMS for testing other radioisotopes also are in-house analytical methods. The EM Lab radioactivity determinations are typically reported as the absolute concentrations calculated from the analytical tests.

If the laboratories used more than one analytical method for an analyte, the methods are listed in the tables in descending order according to frequency of use. Generally, the method listed first was used for at least half of the analyses.

**Table 4. EX Samples with High Analytical Results as Compared to Historical Data**

Analyte	Well(s)
Chloroethene (Vinyl chloride)	FSB 93C
1,3-Dichlorobenzene	LFW 58D†, LFW 60C
1,1-Dichloroethane	FSB 93C†
Ethylbenzene	FSB 93C
Iron	DOB 7, LFW 62D, LFW 63D
Toluene	FSB 93C

† The questioned value was at least 10 times higher than historical data. Because holding times had not been exceeded, the laboratory was asked to reanalyze the sample.

**Table 5. GE Samples with High Analytical Results as Compared to Historical Data**

Analyte	Well(s)
Calcium	HIN600TK
Iron	FSB119D, FSB123D
Nitrate-nitrite as nitrogen	HSB 70C
Zinc	FIN 2TK

† The questioned value was at least 10 times higher than historical data. Because insufficient sample was left, the laboratory was not asked to reanalyze the sample.

**Table 6. GE Samples with Low Analytical Results as Compared to Historical Data**

Analyte	Well(s)
Nitrate-nitrite as N	FSB103C†
Specific conductance	HSB 83A†

† The questioned value was at least 10 times higher than historical data. Because holding times had been exceeded, the laboratory was not asked to reanalyze the sample.

**Table 7. GP Samples with High Analytical Results as Compared to Historical Data**

Analyte	Well(s)
Nonvolatile beta	HSB 85A†
Tritium	FSB 87D♦
Uranium-235	FIN 2TK

† The questioned value was at least 10 times higher than historical data. Because insufficient sample was left, the laboratory was not asked to reanalyze the sample.

♦ The questioned value was at least 10 times higher than historical data. The laboratory was not asked to reanalyze the sample.

**Table 8. WA Samples with High Analytical Results as Compared to Historical Data**

Analyte	Well(s)
Aluminum	BGO 15D, DCB 12, PSB 7A†
Iron	BGO 15D, BGO 16AR, KBP 2D
Manganese	DCB 12

† The questioned value was at least 10 times higher than historical data. Because holding times had been exceeded, the laboratory was asked to reanalyze the sample.

**Table 9. TM Samples with High Analytical Results as Compared to Historical Data**

Analyte	Well(s)
Gross alpha	BGO 35D
Nonvolatile beta	BGO 51D
Strontium-90	BGO 14AR
Tritium	BGO 20B, BGO 37C†, LDB 4†

† The questioned value was at least 10 times higher than historical data. Because holding times had not been exceeded, the laboratory was asked to reanalyze the sample.

**Table 10. Methods and Estimated Quantitation Limits Used by EX**

Analyte	Unit	Method	Minimum/Maximum EQLs
Acenaphthene	µg/L	EPA8270C	10.0
Acenaphthylene	µg/L	EPA8270C	10.0
Acetone	µg/L	EPA8260B	10.0/50.0
Acetonitrile	µg/L	EPA8260B	500/2,500
Acrolein	µg/L	EPA8260B	50.0/250
Acrylonitrile	µg/L	EPA8260B	50.0/250
Aldrin	µg/L	EPA8081A	0.1
Allyl chloride	µg/L	EPA8260B	10.0/50.0
Aluminum	µg/L	EPA6010B	200
Anthracene	µg/L	EPA8270C	10.0
Antimony	µg/L	EPA6010B	100
Arsenic	µg/L	EPA6010B	10.0
Barium	µg/L	EPA6010B	10.0
Benzene	µg/L	EPA8260B	5.0/1,200
alpha-Benzene hexachloride	µg/L	EPA8081A	0.1
beta-Benzene hexachloride	µg/L	EPA8081A	0.1
delta-Benzene hexachloride	µg/L	EPA8081A	0.1
Benzydine	µg/L	EPA8270C	10.0
Benzo[a]anthracene	µg/L	EPA8270C	10.0
Benzo[b]fluoranthene	µg/L	EPA8270C	10.0
Benzo[k]fluoranthene	µg/L	EPA8270C	10.0
Benzo[g,h,i]perylene	µg/L	EPA8270C	10.0
Benzo[a]pyrene	µg/L	EPA8270C	10.0
Beryllium	µg/L	EPA6010B	10.0
Bis(2-chloroethoxy) methane	µg/L	EPA8270C	10.0
Bis(2-chloroethyl) ether	µg/L	EPA8270C	10.0
Bis(2-chloroisopropyl) ether	µg/L	EPA8270C	10.0
Bis(2-ethylhexyl) phthalate	µg/L	EPA8270C	10.0
Boron	µg/L	EPA6010B	100
Bromodichloromethane	µg/L	EPA8260B	5.0/1,200

**Analytical Data Review**

<i>Analyte</i>	<i>Unit</i>	<i>Method</i>	<i>Minimum/Maximum EQLs</i>
Bromoform	µg/L	EPA8260B	5.0/1,200
Bromomethane	µg/L	EPA8260B	5.0/1,200
4-Bromophenyl phenyl ether	µg/L	EPA8270C	10.0
Butylbenzyl phthalate	µg/L	EPA8270C	10.0
Cadmium	µg/L	EPA6010B	10.0
Calcium	µg/L	EPA6010B	1,000
Carbon disulfide	µg/L	EPA8260B	5.0/25.0
Carbon tetrachloride	µg/L	EPA8260B	5.0/1,200
	µg/L	EPA8021B	1.0/100
Chemical oxygen demand	µg/L	EPA410.4	10,000
alpha-Chlordane	µg/L	EPA8081A	0.1
gamma-Chlordane	µg/L	EPA8081A	0.1
Chloride	µg/L	EPA300.0	200
Chlorobenzene	µg/L	EPA8260B	5.0/1,200
4-Chloro-m-cresol	µg/L	EPA8270C	10.0
Chloroethane	µg/L	EPA8260B	10.0/2,500
Chloroethene	µg/L	EPA8260B	5.0/1,200
2-Chloroethyl vinyl ether	µg/L	EPA8260B	5.0/1,200
Chloroform	µg/L	EPA8260B	5.0/1,200
	µg/L	EPA8021B	1.0/100
Chloromethane	µg/L	EPA8260B	5.0/1,200
2-Chloronaphthalene	µg/L	EPA8270C	10.0
2-Chlorophenol	µg/L	EPA8270C	10.0
4-Chlorophenyl phenyl ether	µg/L	EPA8270C	10.0
Chloroprene	µg/L	EPA8260B	50.0/250
Chromium	µg/L	EPA6010B	10.0
Chrysene	µg/L	EPA8270C	10.0
Cobalt	µg/L	EPA6010B	20.0
Copper	µg/L	EPA6010B	20.0
Cyanide	µg/L	EPA9014	10.0
p,p'-DDD	µg/L	EPA8081A	0.2
p,p'-DDE	µg/L	EPA8081A	0.2
p,p'-DDT	µg/L	EPA8081A	0.2
Dibenz[a,h]anthracene	µg/L	EPA8270C	10.0
Dibromochloromethane	µg/L	EPA8260B	5.0/1,200
1,2-Dibromo-3-chloropropane	µg/L	EPA8260B	5.0/25.0
1,2-Dibromoethane	µg/L	EPA8260B	5.0/25.0
Dibromomethane	µg/L	EPA8260B	5.0/25.0
Di-n-butyl phthalate	µg/L	EPA8270C	10.0
1,2-Dichlorobenzene	µg/L	EPA8260B	5.0/25.0
1,3-Dichlorobenzene	µg/L	EPA8260B	5.0/25.0
1,4-Dichlorobenzene	µg/L	EPA8260B	5.0/25.0
3,3'-Dichlorobenzidine	µg/L	EPA8270C	10.0
trans-1,4-Dichloro-2-butene	µg/L	EPA8260B	20.0/100
Dichlorodifluoromethane	µg/L	EPA8260B	5.0/25.0
1,1-Dichloroethane	µg/L	EPA8260B	5.0/1,200
1,2-Dichloroethane	µg/L	EPA8260B	5.0/1,200
1,1-Dichloroethylene	µg/L	EPA8260B	5.0/1,200
1,2-Dichloroethylene	µg/L	EPA8260B	1.0
cis-1,2-Dichloroethylene	µg/L	EPA8021B	1.0/100
	µg/L	EPA8260B	5.0/25.0
trans-1,2-Dichloroethylene	µg/L	EPA8260B	5.0/1,200
Dichloromethane	µg/L	EPA8260B	5.0/1,250
2,4-Dichlorophenol	µg/L	EPA8270C	10.0
1,2-Dichloropropane	µg/L	EPA8260B	5.0/1,200
cis-1,3-Dichloropropene	µg/L	EPA8260B	5.0/1,200
trans-1,3-Dichloropropene	µg/L	EPA8260B	5.0/1,200
Dieldrin	µg/L	EPA8081A	0.2
Diethyl phthalate	µg/L	EPA8270C	10.0
2,4-Dimethyl phenol	µg/L	EPA8270C	10.0
Dimethyl phthalate	µg/L	EPA8270C	10.0
2,4-Dinitrophenol	µg/L	EPA8270C	25.0

### **Analytical Data Review**

Analyte	Unit	Method	Minimum/Maximum EQLs
2,4-Dinitrotoluene	µg/L	EPA8270C	10.0
2,6-Dinitrotoluene	µg/L	EPA8270C	10.0
Di-n-octyl phthalate	µg/L	EPA8270C	10.0
1,4-Dioxane	µg/L	EPA8260B	1,000/5,000
1,2-Diphenylhydrazine	µg/L	EPA8270C	10.0
Endosulfan sulfate	µg/L	EPA8081A	0.2
Endosulfan I	µg/L	EPA8081A	0.1
Endosulfan II	µg/L	EPA8081A	0.2
Endrin	µg/L	EPA8081A	0.2
Endrin aldehyde	µg/L	EPA8081A	0.2
Ethyl methacrylate	µg/L	EPA8260B	5.0/25.0
Ethylbenzene	µg/L	EPA8260B	5.0/1,200
Fluoranthene	µg/L	EPA8270C	10.0
Fluorene	µg/L	EPA8270C	10.0
Heptachlor	µg/L	EPA8081A	0.1
Heptachlor epoxide	µg/L	EPA8081A	0.1
Hexachlorobenzene	µg/L	EPA8270C	10.0
Hexachlorobutadiene	µg/L	EPA8270C	10.0
Hexachlorocyclopentadiene	µg/L	EPA8270C	10.0
Hexachloroethane	µg/L	EPA8270C	10.0
2-Hexanone	µg/L	EPA8260B	5.0/25.0
Indeno[1,2,3-c,d]pyrene	µg/L	EPA8270C	10.0
Iodomethane	µg/L	EPA8260B	5.0/25.0
Iron	µg/L	EPA6010B	200
Isobutyl alcohol	µg/L	EPA8260B	1,500/7,500
Isophorone	µg/L	EPA8270C	10.0
Lead	µg/L	EPA6010B	10.0/100
Lindane	µg/L	EPA8081A	0.1
Magnesium	µg/L	EPA6010B	1,000
Manganese	µg/L	EPA6010B	10.0
Mercury	µg/L	EPA7470A	0.5
Methacrylonitrile	µg/L	EPA8260B	500/2,500
2-Methyl-4,6-dinitrophenol	µg/L	EPA8270C	25.0
Methyl ethyl ketone	µg/L	EPA8260B	10.0/50.0
Methyl isobutyl ketone	µg/L	EPA8260B	5.0/25.0
Methyl methacrylate	µg/L	EPA8260B	50.0/250
Naphthalene	µg/L	EPA8270C	10.0
Nickel	µg/L	EPA6010B	50.0
Nitrate as nitrogen	µg/L	EPA300.0	100/500
Nitrate-nitrite as nitrogen	µg/L	EPA300.0	100/500
m-Nitroaniline	µg/L	EPA8270C	25.0
Nitrobenzene	µg/L	EPA8270C	10.0
2-Nitrophenol	µg/L	EPA8270C	10.0
4-Nitrophenol	µg/L	EPA8270C	25.0
N-Nitrosodimethylamine	µg/L	EPA8270C	25.0
N-Nitrosodiphenylamine	µg/L	EPA8270C	10.0
N-Nitrosodipropylamine	µg/L	EPA8270C	10.0
PCB 1016	µg/L	EPA8082	2.0
PCB 1221	µg/L	EPA8082	2.0
PCB 1232	µg/L	EPA8082	1.0
PCB 1242	µg/L	EPA8082	1.0
PCB 1248	µg/L	EPA8082	1.0
PCB 1254	µg/L	EPA8082	1.0
PCB 1260	µg/L	EPA8082	1.0
Pentachloroethane	µg/L	EPA8260B	200/1,000
Pentachlorophenol	µg/L	EPA8270C	25.0
pH	pH	EPA150.1	0.0
Phenanthrene	µg/L	EPA8270C	10.0
Phenol	µg/L	EPA8270C	10.0
Potassium	µg/L	EPA6010B	5,000
Propionitrile	µg/L	EPA8260B	500/2,500
Pyrene	µg/L	EPA8270C	10.0

### Analytical Data Review

Analyte	Unit	Method	Minimum/Maximum EQLs
Selenium	µg/L	EPA6010B	10.0
Silver	µg/L	EPA6010B	20.0
Sodium	µg/L	EPA6010B	1,000
Specific conductance	µS/cm	EPA120.1	1.0
Styrene	µg/L	EPA8260B	5.0/25.0
Sulfate	µg/L	EPA300.0	200
1,1,1,2-Tetrachloroethane	µg/L	EPA8260B	5.0/25.0
1,1,2,2-Tetrachloroethane	µg/L	EPA8260B	5.0/1,200
Tetrachloroethylene	µg/L	EPA8260B	5.0/1,200
	µg/L	EPA8021B	1.0/100
Thallium	µg/L	EPA6010B	10.0
Toluene	µg/L	EPA8260B	5.0/1,200
Total organic carbon	µg/L	EPA9060	5,000
Toxaphene	µg/L	EPA8081A	1.0
1,2,4-Trichlorobenzene	µg/L	EPA8270C	10.0
1,1,1-Trichloroethane	µg/L	EPA8260B	5.0/1,200
	µg/L	EPA8021B	1.0/100
1,1,2-Trichloroethane	µg/L	EPA8260B	5.0/1,200
Trichloroethylene	µg/L	EPA8260B	5.0/1,200
	µg/L	EPA8021B	1.0/100
Trichlorofluoromethane	µg/L	EPA8260B	5.0/1,200
2,4,6-Trichlorophenol	µg/L	EPA8270C	25.0
1,2,3-Trichloropropane	µg/L	EPA8260B	5.0/25.0
Vanadium	µg/L	EPA6010B	10.0
Vinyl acetate	µg/L	EPA8260B	20.0/100
Xylenes	µg/L	EPA8260B	10.0/50.0
Zinc	µg/L	EPA6010B	20.0

**Table 11. Methods and Estimated Quantitation Limits Used by GE**

Analyte	Unit	Method	Minimum/Maximum EQLs
Acenaphthene	µg/L	EPA8270C	9.8/10.4
Acenaphthylene	µg/L	EPA8270C	9.8/10.4
Acetone	µg/L	EPA8260B	5.0/500
Acetophenone	µg/L	EPA8270C	10.0/10.4
2-Acetylaminofluorene	µg/L	EPA8270C	10.0/10.4
Aldrin	µg/L	EPA8081A	0.016/0.0206
Alkalinity (as CaCO <sub>3</sub> )	meq/L	EPA310.1	1,000
Aluminum	µg/L	EPA6020	15.0/150
	µg/L	EPA6010B	50.0
4-Aminobiphenyl	µg/L	EPA8270C	10.0/10.4
Aniline	µg/L	EPA8270C	10.0/10.4
Anthracene	µg/L	EPA8270C	9.8/10.4
Antimony	µg/L	EPA6010B	10.0
	µg/L	EPA6020	0.2/2.0
Aramite	µg/L	EPA8270C	10.0/10.4
Arsenic	µg/L	EPA6010B	5.0
	µg/L	EPA6020	3.0
Barium	µg/L	EPA6010B	5.0
	µg/L	EPA6020	2.0
Benzene	µg/L	EPA8260B	1.0/100
alpha-Benzene hexachloride	µg/L	EPA8081A	0.016/0.0206
beta-Benzene hexachloride	µg/L	EPA8081A	0.016/0.0206
delta-Benzene hexachloride	µg/L	EPA8081A	0.016/0.0206
Benzidine	µg/L	EPA8270C	49.0/50.0
Benzo[a]anthracene	µg/L	EPA8270C	9.8/10.4
Benzo[b]fluoranthene	µg/L	EPA8270C	9.8/10.4

Analyte	Unit	Method	Minimum/Maximum EQLs
Benzo[k]fluoranthene	µg/L	EPA8270C	9.8/10.4
Benzoic acid	µg/L	EPA8270C	19.6/20.0
Benzo[g,h,i]perylene	µg/L	EPA8270C	9.8/10.4
Benzo[a]pyrene	µg/L	EPA8270C	9.8/10.4
Benzyl alcohol	µg/L	EPA8270C	9.8/10.4
Beryllium	µg/L	EPA6010B	5.0
	µg/L	EPA6020	0.2/1.0
Bis(2-chloroethoxy) methane	µg/L	EPA8270C	9.8/10.4
Bis(2-chloroethyl) ether	µg/L	EPA8270C	9.8/10.4
Bis(2-chloroisopropyl) ether	µg/L	EPA8270C	9.8/10.4
Bis(2-ethylhexyl) phthalate	µg/L	EPA8270C	9.8/11.1
Boron	µg/L	EPA6010B	50.0
	µg/L	EPA6020	15.0
Bromodichloromethane	µg/L	EPA8260B	1.0/100
Bromoform	µg/L	EPA8260B	1.0/100
Bromomethane	µg/L	EPA8260B	1.0/100
4-Bromophenyl phenyl ether	µg/L	EPA8270C	9.8/10.4
Butylbenzyl phthalate	µg/L	EPA8270C	9.8/10.4
Cadmium	µg/L	EPA6020	1.0
	µg/L	EPA6010B	5.0
Calcium	µg/L	EPA6010B	100
	µg/L	EPA6020	150
Carbon disulfide	µg/L	EPA8260B	5.0/500
Carbon tetrachloride	µg/L	EPA8260B	1.0/100
alpha-Chlordane	µg/L	EPA8081A	0.016/0.0206
gamma-Chlordane	µg/L	EPA8081A	0.016/0.0206
Chloride	µg/L	EPA300.0	100
4-Chloroaniline	µg/L	EPA8270C	9.8/10.4
Chlorobenzene	µg/L	EPA8260B	1.0/100
Chlorobenzilate	µg/L	EPA8270C	10.0/10.4
4-Chloro-m-cresol	µg/L	EPA8270C	9.8/10.0
Chloroethane	µg/L	EPA8260B	1.0/100
Chloroethene	µg/L	EPA8260B	1.0/100
2-Chloroethyl vinyl ether	µg/L	EPA8260B	5.0/500
Chloroform	µg/L	EPA8260B	1.0/100
Chloromethane	µg/L	EPA8260B	1.0/100
2-Chloronaphthalene	µg/L	EPA8270C	9.8/10.4
2-Chlorophenol	µg/L	EPA8270C	9.8/10.0
4-Chlorophenyl phenyl ether	µg/L	EPA8270C	9.8/10.4
Chromium, hexavalent	µg/L	EPA7196A	20.0
Chromium	µg/L	EPA6010B	5.0
	µg/L	EPA6020	3.0
Chrysene	µg/L	EPA8270C	9.8/10.4
Cobalt	µg/L	EPA6010B	5.0
	µg/L	EPA6020	0.2/1.0
Copper	µg/L	EPA6010B	5.0
	µg/L	EPA6020	1.0
m/p-Cresol	µg/L	EPA8270C	9.8/10.0
o-Cresol	µg/L	EPA8270C	9.8/10.0
Cyanide	µg/L	EPA9012A	10.0
p,p'-DDD	µg/L	EPA8081A	0.032/0.0412
p,p'-DDE	µg/L	EPA8081A	0.032/0.0412
p,p'-DDT	µg/L	EPA8081A	0.032/0.0412
Diallate	µg/L	EPA8270C	10.0/10.4
Dibenz[a,h]anthracene	µg/L	EPA8270C	9.8/10.4
Dibenzofuran	µg/L	EPA8270C	9.8/10.4
Dibromochloromethane	µg/L	EPA8260B	1.0/100
Di-n-butyl phthalate	µg/L	EPA8270C	9.8/10.4
1,2-Dichlorobenzene	µg/L	EPA8270C	9.8/10.4
1,3-Dichlorobenzene	µg/L	EPA8270C	9.8/10.4
1,4-Dichlorobenzene	µg/L	EPA8270C	9.8/10.4
3,3'-Dichlorobenzidine	µg/L	EPA8270C	19.6/20.8

### Analytical Data Review

Analyte	Unit	Method	Minimum/Maximum EQLs
1,1-Dichloroethane	µg/L	EPA8260B	1.0/100
1,2-Dichloroethane	µg/L	EPA8260B	1.0/100
1,1-Dichloroethylene	µg/L	EPA8260B	1.0/100
1,2-Dichloroethylene	µg/L	EPA8260B	2.0/200
trans-1,2-Dichloroethylene	µg/L	EPA8260B	1.0/100
Dichloromethane	µg/L	EPA8260B	5.0/500
2,4-Dichlorophenol	µg/L	EPA8270C	9.8/10.0
1,2-Dichloropropane	µg/L	EPA8260B	1.0/100
cis-1,3-Dichloropropene	µg/L	EPA8260B	1.0/100
trans-1,3-Dichloropropene	µg/L	EPA8260B	1.0/100
Dieldrin	µg/L	EPA8081A	0.032/0.0412
Diethyl phthalate	µg/L	EPA8270C	9.8/10.4
Dimethoate	µg/L	EPA8270C	10.0/10.4
2,4-Dimethyl phenol	µg/L	EPA8270C	9.8/10.0
Dimethyl phthalate	µg/L	EPA8270C	9.8/10.4
p-Dimethylaminoazobenzene	µg/L	EPA8270C	10.0/10.4
7,12-Dimethylbenz[a]anthracene	µg/L	EPA8270C	10.0/10.4
3,3'-Dimethylbenzidine	µg/L	EPA8270C	20.0/20.8
a,a-Dimethylphenethylamine	µg/L	EPA8270C	10.0/10.4
1,3-Dinitrobenzene	µg/L	EPA8270C	10.0/10.4
2,4-Dinitrophenol	µg/L	EPA8270C	19.6/20.0
2,4-Dinitrotoluene	µg/L	EPA8270C	9.8/10.4
2,6-Dinitrotoluene	µg/L	EPA8270C	9.8/10.4
Di-n-octyl phthalate	µg/L	EPA8270C	9.8/10.4
1,4-Dioxane	µg/L	EPA8270C	10.0/10.4
Diphenylamine	µg/L	EPA8270C	10.0/10.4
Disulfoton	µg/L	EPA8270C	10.0/10.4
Endosulfan sulfate	µg/L	EPA8081A	0.032/0.0412
Endosulfan I	µg/L	EPA8081A	0.016/0.0206
Endosulfan II	µg/L	EPA8081A	0.032/0.0412
Endrin	µg/L	EPA8081A	0.032/0.0412
Endrin aldehyde	µg/L	EPA8081A	0.032/0.0412
Endrin ketone	µg/L	EPA8081A	0.032/0.0412
Ethyl methacrylate	µg/L	EPA8270C	10.0/10.4
Ethyl methanesulfonate	µg/L	EPA8270C	10.0/10.4
Ethylbenzene	µg/L	EPA8260B	1.0/100
Famphur	µg/L	EPA8270C	10.0/10.4
Fluoranthene	µg/L	EPA8270C	9.8/10.4
Fluorene	µg/L	EPA8270C	9.8/10.4
Heptachlor	µg/L	EPA8081A	0.016/0.0206
Heptachlor epoxide	µg/L	EPA8081A	0.016/0.0206
Heptachlorodibenzo-p-dioxins	ng/L	EPA8280A	0.001
Hexachlorobenzene	µg/L	EPA8270C	9.8/10.4
Hexachlorobutadiene	µg/L	EPA8270C	9.8/10.4
Hexachlorocyclopentadiene	µg/L	EPA8270C	9.8/10.4
Hexachlorodibenzo-p-dioxins	ng/L	EPA8280A	0.001
Hexachloroethane	µg/L	EPA8270C	9.8/10.4
Hexachloropropene	µg/L	EPA8270C	10.0/10.4
2-Hexanone	µg/L	EPA8260B	5.0/500
1,2,3,4,6,7,8-HPCDD	µg/L	EPA8280A	0.001
1,2,3,4,7,8-HXCDD	µg/L	EPA8280A	0.001
Indeno[1,2,3-c,d]pyrene	µg/L	EPA8270C	9.8/10.4
Iron	µg/L	EPA6020	15.0/25.0
	µg/L	EPA6010B	50.0
Isodrin	µg/L	EPA8270C	10.0/10.4
Isophorone	µg/L	EPA8270C	9.8/10.4
Isosafrole	µg/L	EPA8270C	10.0/10.4
Kepone	µg/L	EPA8270C	10.0/10.4
Lead	µg/L	EPA6020	0.2/20.0
	µg/L	EPA6010B	5.0
Lindane	µg/L	EPA8081A	0.016/0.0206
Lithium	µg/L	EPA6020	2.0

## Analytical Data Review

<i>Analyte</i>	<i>Unit</i>	<i>Method</i>	<i>Minimum/Maximum EQLs</i>
Magnesium	µg/L	EPA6010B	10.0
	µg/L	EPA6020	3.0/10.0
Manganese	µg/L	EPA6010B	10.0
	µg/L	EPA6020	0.2/5.0
Mercury	µg/L	EPA7470A	0.2
Methapyrilene	µg/L	EPA8270C	10.0/10.4
Methoxychlor	µg/L	EPA8081A	0.16/0.206
2-Methyl-4,6-dinitrophenol	µg/L	EPA8270C	9.8/10.0
Methyl ethyl ketone	µg/L	EPA8260B	10.0/1,000
Methyl isobutyl ketone	µg/L	EPA8260B	5.0/500
Methyl methanesulfonate	µg/L	EPA8270C	10.0/10.4
3-Methylcholanthrene	µg/L	EPA8270C	10.0/10.4
2-Methylnaphthalene	µg/L	EPA8270C	9.8/10.4
Molybdenum	µg/L	EPA6020	0.5
Naphthalene	µg/L	EPA8270C	9.8/10.4
1,4-Naphthoquinone	µg/L	EPA8270C	10.0/10.4
1-Naphthylamine	µg/L	EPA8270C	10.0/10.4
2-Naphthylamine	µg/L	EPA8270C	10.0/10.4
Nickel	µg/L	EPA6010B	5.0
	µg/L	EPA6020	2.0
Nitrate-nitrite as nitrogen	µg/L	EPA353.1	50.0/10,000
m-Nitroaniline	µg/L	EPA8270C	9.8/10.4
o-Nitroaniline	µg/L	EPA8270C	9.8/10.4
p-Nitroaniline	µg/L	EPA8270C	9.8/10.4
Nitrobenzene	µg/L	EPA8270C	9.8/10.4
2-Nitrophenol	µg/L	EPA8270C	9.8/10.0
4-Nitrophenol	µg/L	EPA8270C	9.8/10.0
4-Nitroquinoline-1-oxide	µg/L	EPA8270C	10.0/10.4
N-Nitrosodi-n-butylamine	µg/L	EPA8270C	10.0/10.4
N-Nitrosodiethylamine	µg/L	EPA8270C	10.0/10.4
N-Nitrosodimethylamine	µg/L	EPA8270C	10.0/10.4
N-Nitrosodiphenylamine	µg/L	EPA8270C	9.8/10.4
N-Nitrosodipropylamine	µg/L	EPA8270C	9.8/10.4
N-Nitrosomethylethylamine	µg/L	EPA8270C	10.0/10.4
N-Nitrosomorpholine	µg/L	EPA8270C	10.0/10.4
N-Nitrosopiperidine	µg/L	EPA8270C	10.0/10.4
N-Nitrosopyrrolidine	µg/L	EPA8270C	10.0/10.4
5-Nitro-o-toluidine	µg/L	EPA8270C	10.0/10.4
Octachlorodibenzo-p-dioxin	µg/L	EPA8280A	0.001
PCB 1016	µg/L	EPA8082	0.1/0.115
PCB 1221	µg/L	EPA8082	0.1/0.115
PCB 1232	µg/L	EPA8082	0.1/0.115
PCB 1242	µg/L	EPA8082	0.1/0.115
PCB 1248	µg/L	EPA8082	0.1/0.115
PCB 1254	µg/L	EPA8082	0.1/0.115
PCB 1260	µg/L	EPA8082	0.1/0.115
1,2,3,7,8-PCDD	µg/L	EPA8280A	0.001
Pentachlorobenzene	µg/L	EPA8270C	10.0/10.4
Pentachlorodibenzo-p-dioxins	ng/L	EPA8280A	0.001
Pentachloroethane	µg/L	EPA8270C	10.0/10.4
Pentachloronitrobenzene	µg/L	EPA8270C	10.0/10.4
Pentachlorophenol	µg/L	EPA8270C	19.6/20.0
pH	pH	EPA9040B	0.1
Phenacetin	µg/L	EPA8270C	10.0/10.4
Phenanthrene	µg/L	EPA8270C	9.8/10.4
Phenol	µg/L	EPA8270C	9.8/10.0
Phenols	µg/L	EPA9066	5.0
p-Phenylenediamine	µg/L	EPA8270C	20.0/20.8
2-Picoline	µg/L	EPA8270C	10.0/10.4
Potassium	µg/L	EPA6010B	100
	µg/L	EPA6020	15.0/300
Pronamid	µg/L	EPA8270C	10.0/10.4

### **Analytical Data Review**

Analyte	Unit	Method	Minimum/Maximum EQLs
Pyrene	µg/L	EPA8270C	9.8/10.4
Pyridine	µg/L	EPA8270C	10.0/10.4
Safrole	µg/L	EPA8270C	10.0/10.4
Selenium	µg/L	EPA6010B	5.0
	µg/L	EPA6020	5.0
Silver	µg/L	EPA6010B	5.0
	µg/L	EPA6020	1.0
Sodium	µg/L	EPA6010B	100/500
	µg/L	EPA6020	250/2,500
Specific conductance	µS/cm	EPA9050A	1.0
Strontium	µg/L	EPA6020	10.0
Styrene	µg/L	EPA8260B	1.0/100
Sulfate	µg/L	EPA300.0	200/10,000
Sulfatepp	µg/L	EPA8270C	10.0/10.4
2,3,7,8-TCDD	µg/L	EPA8280A	0.001
1,2,4,5-Tetrachlorobenzene	µg/L	EPA8270C	10.0/10.4
Tetrachlorodibenzo-p-dioxins	ng/L	EPA8280A	0.001
1,1,2,2-Tetrachloroethane	µg/L	EPA8260B	1.0/100
Tetrachloroethylene	µg/L	EPA8260B	1.0/100
Thallium	µg/L	EPA6010B	5.0
	µg/L	EPA6020	0.5/2.5
Thionazin	µg/L	EPA8270C	10.0/10.4
Tin	µg/L	EPA6020	5.0
	µg/L	EPA6010B	100
Titanium	µg/L	EPA6020	10.0
Toluene	µg/L	EPA8260B	1.0/100
o-Toluidine	µg/L	EPA8270C	10.0/10.4
Total dissolved solids	µg/L	EPA160.1	10,000
Total organic carbon	µg/L	EPA9060	5,000
Total organic halogens	µg/L	EPA9020B	10.0/100
Toxaphene	µg/L	EPA8081A	0.8/1.03
1,2,4-Trichlorobenzene	µg/L	EPA8270C	9.8/10.4
1,1,1-Trichloroethane	µg/L	EPA8260B	1.0/100
1,1,2-Trichloroethane	µg/L	EPA8260B	1.0/100
Trichloroethylene	µg/L	EPA8260B	1.0/100
Trichlorofluoromethane	µg/L	EPA8260B	5.0/500
2,4,5-Trichlorophenol	µg/L	EPA8270C	9.8/10.0
2,4,6-Trichlorophenol	µg/L	EPA8270C	9.8/10.0
O,O,O-Triethyl phosphorothioate	µg/L	EPA8270C	10.0/10.4
1,3,5-Trinitrobenzene	µg/L	EPA8270C	10.0/10.4
Uranium	µg/L	EPA6020	2.0
Vanadium	µg/L	EPA6010B	5.0
	µg/L	EPA6020	10.0/100
Vinyl acetate	µg/L	EPA8260B	5.0/500
Xylenes	µg/L	EPA8260B	2.0/200
Zinc	µg/L	EPA6010B	5.0
	µg/L	EPA6020	10.0

Note: The groundwater samples are unfiltered; thus, the methods for metals are for total recoverable metals. Method 6010 is an inductively coupled plasma atomic emission spectroscopy method for metals determination and is published for RCRA determinations.

## Analytical Data Review

**Table 12. Methods and Estimated Quantitation Limits Used by WA**

Analyte	Unit	Method	Minimum/Maximum EQLs
Acenaphthene	µg/L	EPA8270C	10.0/20.0
Acenaphthylene	µg/L	EPA8270C	10.0/20.0
Acetone	µg/L	EPA8260B	10.0/50.0
Acetonitrile	µg/L	EPA8260B	20.0
Acetophenone	µg/L	EPA8270C	10.0/20.0
2-Acetylaminofluorene	µg/L	EPA8270C	10.0/20.0
Acrolein	µg/L	EPA8260B	20.0
Acrylonitrile	µg/L	EPA8260B	5.0
Aldrin	µg/L	EPA8081A	0.05/0.052
Alkalinity (as CaCO <sub>3</sub> )	meq/L	EPA310.1	6,700/26,800
Allyl chloride	µg/L	EPA8260B	10.0
Aluminum	µg/L	EPA6010B	146
4-Aminobiphenyl	µg/L	EPA8270C	10.0/20.0
Aniline	µg/L	EPA8270C	10.0/20.0
Anthracene	µg/L	EPA8270C	10.0/20.0
Antimony	µg/L	EPA6010B	27.0
Aramite	µg/L	EPA8270C	20.0/40.0
Arsenic	µg/L	EPA6010B	40.0
Barium	µg/L	EPA6010B	1.8
Benzene	µg/L	EPA8260B	5.0/125
alpha-Benzene hexachloride	µg/L	EPA8081A	0.05/0.052
beta-Benzene hexachloride	µg/L	EPA8081A	0.05/0.052
delta-Benzene hexachloride	µg/L	EPA8081A	0.05/0.052
Benzo[a]anthracene	µg/L	EPA8270C	10.0/20.0
Benzo[b]fluoranthene	µg/L	EPA8270C	10.0/20.0
Benzo[k]fluoranthene	µg/L	EPA8270C	10.0/20.0
Benzo[g,h,i]perylene	µg/L	EPA8270C	10.0/20.0
Benzo[a]pyrene	µg/L	EPA8270C	10.0/20.0
Benzyl alcohol	µg/L	EPA8270C	10.0/20.0
Beryllium	µg/L	EPA6010B	1.6
Bis(2-chloroethoxy) methane	µg/L	EPA8270C	10.0/20.0
Bis(2-chloroethyl) ether	µg/L	EPA8270C	10.0/20.0
Bis(2-chloroisopropyl) ether	µg/L	EPA8270C	10.0/20.0
Bis(2-ethylhexyl) phthalate	µg/L	EPA8270C	10.0/20.0
Boron	µg/L	EPA6010B	266
Bromodichloromethane	µg/L	EPA8260B	5.0/125
Bromoform	µg/L	EPA8260B	5.0/125
Bromomethane	µg/L	EPA8260B	10.0/250
4-Bromophenyl phenyl ether	µg/L	EPA8270C	10.0/20.0
Butylbenzyl phthalate	µg/L	EPA8270C	10.0/20.0
Cadmium	µg/L	EPA6010B	4.7
Calcium	µg/L	EPA6010B	471
Carbazole	µg/L	EPA8270C	10.0/20.0
Carbon disulfide	µg/L	EPA8260B	5.0/25.0
Carbon tetrachloride	µg/L	EPA8260B	5.0/125
	µg/L	EPA8021B	1.0/10.0
Chemical oxygen demand	µg/L	EPA410.4	32,700
alpha-Chlordane	µg/L	EPA8081A	0.05/0.052
gamma-Chlordane	µg/L	EPA8081A	0.05/0.052
Chloride	µg/L	EPA9056	210/420
4-Chloroaniline	µg/L	EPA8270C	10.0/20.0
Chlorobenzene	µg/L	EPA8260B	5.0/125
Chlorobenzilate	µg/L	EPA8270C	10.0/20.0
4-Chloro-m-cresol	µg/L	EPA8270C	10.0/20.0
Chloroethane	µg/L	EPA8260B	10.0/250
Chloroethene	µg/L	EPA8260B	10.0/250
2-Chloroethyl vinyl ether	µg/L	EPA8260B	10.0/250
Chloroform	µg/L	EPA8260B	5.0/125
	µg/L	EPA8021B	1.0/10.0

<i>Analyte</i>	<i>Unit</i>	<i>Method</i>	<i>Minimum/Maximum EQLs</i>
Chloromethane	µg/L	EPA8260B	10.0/250
2-Chloronaphthalene	µg/L	EPA8270C	10.0/20.0
2-Chlorophenol	µg/L	EPA8270C	10.0/20.0
4-Chlorophenyl phenyl ether	µg/L	EPA8270C	10.0/20.0
Chloroprene	µg/L	EPA8260B	5.0
Chromium, hexavalent	µg/L	EPA7196A	200
Chromium	µg/L	EPA6010B	7.0
Chrysene	µg/L	EPA8270C	10.0/20.0
Cobalt	µg/L	EPA6010B	4.5
Copper	µg/L	EPA6010B	15.0
o-Cresol	µg/L	EPA8270C	10.0/20.0
p-Cresol	µg/L	EPA8270C	10.0/20.0
Cyanide	µg/L	EPA9014	15.2/30.4
p,p'-DDD	µg/L	EPA8081A	0.1/0.104
p,p'-DDE	µg/L	EPA8081A	0.1/0.104
p,p'-DDT	µg/L	EPA8081A	0.1/0.104
Diallyl	µg/L	EPA8270C	10.0/20.0
Dibenz[ <i>a,h</i> ]anthracene	µg/L	EPA8270C	10.0/20.0
Dibenzofuran	µg/L	EPA8270C	10.0/20.0
Dibromochloromethane	µg/L	EPA8260B	5.0/125
1,2-Dibromo-3-chloropropane	µg/L	EPA8260B	5.0
1,2-Dibromoethane	µg/L	EPA8260B	5.0
Dibromomethane	µg/L	EPA8260B	5.0
Di-n-butyl phthalate	µg/L	EPA8270C	10.0/20.0
1,2-Dichlorobenzene	µg/L	EPA8270C	10.0/20.0
1,3-Dichlorobenzene	µg/L	EPA8270C	10.0/20.0
1,4-Dichlorobenzene	µg/L	EPA8270C	10.0/20.0
3,3'-Dichlorobenzidine	µg/L	EPA8260B	5.0
trans-1,4-Dichloro-2-butene	µg/L	EPA8270C	10.0/20.2
Dichlorodifluoromethane	µg/L	EPA8260B	20.0
1,1-Dichloroethane	µg/L	EPA8260B	10.0
1,2-Dichloroethane	µg/L	EPA8260B	5.0/125
1,1-Dichloroethylene	µg/L	EPA8260B	5.0/125
1,2-Dichloroethylene	µg/L	EPA8260B	5.0/125
cis-1,2-Dichloroethylene	µg/L	EPA8260B	5.0/25.0
trans-1,2-Dichloroethylene	µg/L	EPA8021B	1.0/10.0
Dichloromethane	µg/L	EPA8260B	5.0
2,4-Dichlorophenol	µg/L	EPA8260B	5.0/125
2,4-Dichlorophenoxyacetic acid	µg/L	EPA8270C	10.0/20.0
1,2-Dichloropropane	µg/L	EPA8151A	1.0
cis-1,3-Dichloropropene	µg/L	EPA8260B	5.0/125
trans-1,3-Dichloropropene	µg/L	EPA8260B	5.0/125
Dieldrin	µg/L	EPA8260B	5.0/125
Diethyl phthalate	µg/L	EPA8081A	0.1/0.104
2,4-Dimethyl phenol	µg/L	EPA8270C	10.0/20.0
Dimethyl phthalate	µg/L	EPA8270C	10.0/20.0
p-Dimethylaminoazobenzene	µg/L	EPA8270C	10.0/20.0
7,12-Dimethylbenz[ <i>a</i> ]anthracene	µg/L	EPA8270C	10.0/20.0
3,3'-Dimethylbenzidine	µg/L	EPA8270C	10.0/20.0
a,a-Dimethylphenethylamine	µg/L	EPA8270C	10.0/20.0
1,3-Dinitrobenzene	µg/L	EPA8270C	10.0/20.0
2,4-Dinitrophenol	µg/L	EPA8270C	25.0/50.0
2,4-Dinitrotoluene	µg/L	EPA8270C	10.0/20.0
2,6-Dinitrotoluene	µg/L	EPA8270C	10.0/20.0
Di-n-octyl phthalate	µg/L	EPA8270C	10.0/20.0
1,4-Dioxane	µg/L	EPA8270C	10.0/20.0
Diphenylamine	µg/L	EPA8270C	10.0/20.0
Endosulfan sulfate	µg/L	EPA8081A	0.1/0.104
Endosulfan I	µg/L	EPA8081A	0.05/0.052
Endosulfan II	µg/L	EPA8081A	0.1/0.104

### Analytical Data Review

<i>Analyte</i>	<i>Unit</i>	<i>Method</i>	<i>Minimum/Maximum EQLs</i>
Endrin	µg/L	EPA8081A	0.1/0.2
Endrin aldehyde	µg/L	EPA8081A	0.1/0.104
Endrin ketone	µg/L	EPA8081A	0.1/0.104
Ethyl methacrylate	µg/L	EPA8270C	10.0/20.0
Ethyl methanesulfonate	µg/L	EPA8270C	10.0/20.0
Ethylbenzene	µg/L	EPA8260B	5.0/125
Fluoranthene	µg/L	EPA8270C	10.0/20.0
Fluorene	µg/L	EPA8270C	10.0/20.0
Fluoride	µg/L	EPA340.2	40.0
Heptachlor	µg/L	EPA8081A	0.05/0.052
Heptachlor epoxide	µg/L	EPA8081A	0.05/0.052
Hexachlorobenzene	µg/L	EPA8270C	10.0/20.0
Hexachlorobutadiene	µg/L	EPA8270C	10.0/20.0
Hexachlorocyclopentadiene	µg/L	EPA8270C	10.0/20.0
Hexachloroethane	µg/L	EPA8270C	10.0/20.0
Hexachlorophene	µg/L	EPA8270C	100/200
Hexachloropropene	µg/L	EPA8270C	10.0/20.0
2-Hexanone	µg/L	EPA8260B	10.0/50.0
Indeno[1,2,3-c,d]pyrene	µg/L	EPA8270C	10.0/20.0
Iodomethane	µg/L	EPA8260B	5.0
Iron	µg/L	EPA6010B	74.0
Isobutyl alcohol	µg/L	EPA8260B	100
Isophorone	µg/L	EPA8270C	10.0/20.0
Isosafrole	µg/L	EPA8270C	10.0/20.0
Lead	µg/L	EPA6010B	47.0
Lindane	µg/L	EPA8081A	0.05/0.052
Lithium	µg/L	EPA6010B	2.7
Magnesium	µg/L	EPA6010B	74.0
Manganese	µg/L	EPA6010B	7.8
Mercury	µg/L	EPA7470A	0.45/0.71
Methacrylonitrile	µg/L	EPA8260B	10.0
Methapyrilene	µg/L	EPA8270C	10.0/20.0
Methoxychlor	µg/L	EPA8081A	0.5/0.52
2-Methyl-4,6-dinitrophenol	µg/L	EPA8270C	25.0/50.0
Methyl ethyl ketone	µg/L	EPA8260B	10.0/50.0
Methyl isobutyl ketone	µg/L	EPA8260B	10.0/50.0
Methyl methacrylate	µg/L	EPA8270C	10.0/20.0
Methyl methanesulfonate	µg/L	EPA8270C	10.0/20.0
3-Methylcholanthrene	µg/L	EPA8270C	10.0/20.0
2-Methylnaphthalene	µg/L	EPA8270C	10.0/20.0
Naphthalene	µg/L	EPA8270C	10.0/20.0
1,4-Naphthoquinone	µg/L	EPA8270C	10.0/20.0
1-Naphthylamine	µg/L	EPA8270C	10.0/20.0
2-Naphthylamine	µg/L	EPA8270C	10.0/20.0
Nickel	µg/L	EPA6010B	26.0
Nitrate as nitrogen	µg/L	EPA353.2	20.0/200
Nitrate-nitrite as nitrogen	µg/L	EPA353.2	20.0/2,000
m-Nitroaniline	µg/L	EPA8270C	25.0/50.0
o-Nitroaniline	µg/L	EPA8270C	25.0/50.0
p-Nitroaniline	µg/L	EPA8270C	25.0/50.0
Nitrobenzene	µg/L	EPA8270C	10.0/20.0
2-Nitrophenol	µg/L	EPA8270C	10.0/20.0
4-Nitrophenol	µg/L	EPA8270C	25.0/50.0
4-Nitroquinoline-1-oxide	µg/L	EPA8270C	20.0/40.0
N-Nitrosodi-n-butylamine	µg/L	EPA8270C	10.0/20.0
N-Nitrosodiethylamine	µg/L	EPA8270C	10.0/20.0
N-Nitrosodimethylamine	µg/L	EPA8270C	10.0/20.0
N-Nitrosodiphenylamine	µg/L	EPA8270C	10.0/20.0
N-Nitrosodipropylamine	µg/L	EPA8270C	10.0/20.0
N-Nitrosomethylethylamine	µg/L	EPA8270C	10.0/20.0
N-Nitrosomorpholine	µg/L	EPA8270C	10.0/20.0
N-Nitrosopiperidine	µg/L	EPA8270C	50.0/100

### Analytical Data Review

<i>Analyte</i>	<i>Unit</i>	<i>Method</i>	<i>Minimum/Maximum EQLs</i>
N-Nitrosopyrrolidine	µg/L	EPA8270C	10.0/20.0
5-Nitro-o-toluidine	µg/L	EPA8270C	10.0/20.0
Octachlorodibenzo-p-dioxin	ng/L	EPA8280A	10.0/10.1
PCB 1016	µg/L	EPA8082	1.0/1.04
PCB 1221	µg/L	EPA8082	2.0/2.08
PCB 1232	µg/L	EPA8082	1.0/1.04
PCB 1242	µg/L	EPA8082	1.0/1.04
PCB 1248	µg/L	EPA8082	1.0/1.04
PCB 1254	µg/L	EPA8082	1.0/1.04
PCB 1260	µg/L	EPA8082	1.0/2.27
Pentachlorobenzene	µg/L	EPA8270C	10.0/20.0
Pentachloroethane	µg/L	EPA8270C	10.0/20.0
Pentachloronitrobenzene	µg/L	EPA8270C	50.0/100
Pentachlorophenol	µg/L	EPA8270C	25.0/50.0
pH	pH	EPA9040B	0.1
Phenacetin	µg/L	EPA8270C	10.0/20.0
Phenanthrene	µg/L	EPA8270C	10.0/20.0
Phenol	µg/L	EPA8270C	10.0/20.0
Phenols	µg/L	EPA9066	37.0
p-Phenylenediamine	µg/L	EPA8270C	10.0/20.0
2-Picoline	µg/L	EPA8270C	10.0/20.0
Potassium	µg/L	EPA6010B	187
Pronamid	µg/L	EPA8270C	10.0/20.0
Propionitrile	µg/L	EPA8260B	50.0
Pyrene	µg/L	EPA8270C	10.0/20.0
Pyridine	µg/L	EPA8270C	10.0/20.0
Safrole	µg/L	EPA8270C	10.0/20.0
Selenium	µg/L	EPA6010B	66.0
Silica	µg/L	EPA6010B	1,350
Silver	µg/L	EPA6010B	5.0
Sodium	µg/L	EPA6010B	285
Specific conductance	µS/cm	EPA9050A	8.9
Styrene	µg/L	EPA8260B	5.0/25.0
Sulfate	µg/L	EPA9056	190/3,400
1,2,4,5-Tetrachlorobenzene	µg/L	EPA8270C	10.0/20.0
1,1,1,2-Tetrachloroethane	µg/L	EPA8260B	5.0
1,1,2,2-Tetrachloroethane	µg/L	EPA8260B	5.0/125
Tetrachloroethylene	µg/L	EPA8260B	5.0/125
	µg/L	EPA8021B	1.0/25.0
Thallium	µg/L	EPA6010B	55.0
Tin	µg/L	EPA6010B	70.0
Toluene	µg/L	EPA8260B	5.0/125
o-Toluidine	µg/L	EPA8270C	10.0/20.0
Total dissolved solids	µg/L	EPA160.1	50,000
Total organic carbon	µg/L	EPA9060	1,000
Total organic halogens	µg/L	EPA9020B	120/1,200
Total petroleum hydrocarbons	µg/L	EPA418.1	10,000
Total phosphates (as P)	µg/L	EPA365.2	67.0
Toxaphene	µg/L	EPA8081A	5.0/5.2
1,2,4-Trichlorobenzene	µg/L	EPA8270C	10.0/20.0
1,1,1-Trichloroethane	µg/L	EPA8260B	5.0/125
	µg/L	EPA8021B	1.0/10.0
1,1,2-Trichloroethane	µg/L	EPA8260B	5.0/125
Trichloroethylene	µg/L	EPA8260B	5.0/125
	µg/L	EPA8021B	1.0/10.0
Trichlorofluoromethane	µg/L	EPA8260B	5.0/125
2,4,5-Trichlorophenol	µg/L	EPA8270C	25.0/50.0
2,4,6-Trichlorophenol	µg/L	EPA8270C	10.0/20.0
1,2,3-Trichloropropane	µg/L	EPA8260B	5.0
1,3,5-Trinitrobenzene	µg/L	EPA8270C	10.0/20.0
Vanadium	µg/L	EPA6010B	6.9

### Analytical Data Review

<i>Analyte</i>	<i>Unit</i>	<i>Method</i>	<i>Minimum/Maximum EQLs</i>
Vinyl acetate	µg/L	EPA8260B	10.0/50.0
Xylenes	µg/L	EPA8260B	5.0/125
Zinc	µg/L	EPA6010B	53.0

Note: The groundwater samples are unfiltered; thus, the methods for metals are for total recoverable metals. Method 200.7 is an inductively coupled plasma atomic emission spectroscopy method for metals determination and is published for Safe Drinking Water Act investigations.

**Table 13. Methods and Estimated Quantitation Limits Used by ML**

<i>Analyte</i>	<i>Unit</i>	<i>Method</i>	<i>Minimum/Maximum EQLs</i>
Acetone	µg/L	EPA8260B	5.0
Benzene	µg/L	EPA8260B	1.0
Bromodichloromethane	µg/L	EPA8260B	1.0
Bromoform	µg/L	EPA8260B	1.0
Bromomethane	µg/L	EPA8260B	1.0
Carbon disulfide	µg/L	EPA8260B	5.0
Carbon tetrachloride	µg/L	EPA8260B	1.0
Chlorobenzene	µg/L	EPA8260B	1.0
Chloroethane	µg/L	EPA8260B	1.0
Chloroethene	µg/L	EPA8260B	1.0
Chloroform	µg/L	EPA8260B	1.0
Chloromethane	µg/L	EPA8260B	1.0
Dibromochloromethane	µg/L	EPA8260B	1.0
1,1-Dichloroethane	µg/L	EPA8260B	1.0
1,2-Dichloroethane	µg/L	EPA8260B	1.0
1,1-Dichloroethylene	µg/L	EPA8260B	1.0
1,2-Dichloroethylene	µg/L	EPA8260B	1.0
cis-1,2-Dichloroethylene	µg/L	EPA8260B	1.0
trans-1,2-Dichloroethylene	µg/L	EPA8260B	1.0
Dichloromethane	µg/L	EPA8260B	1.0
1,2-Dichloropropane	µg/L	EPA8260B	1.0
cis-1,3-Dichloropropene	µg/L	EPA8260B	1.0
trans-1,3-Dichloropropene	µg/L	EPA8260B	1.0
Ethylbenzene	µg/L	EPA8260B	1.0
2-Hexanone	µg/L	EPA8260B	5.0
Methyl ethyl ketone	µg/L	EPA8260B	5.0
Methyl isobutyl ketone	µg/L	EPA8260B	5.0
Styrene	µg/L	EPA8260B	1.0
1,1,2,2-Tetrachloroethane	µg/L	EPA8260B	1.0
Tetrachloroethylene	µg/L	EPA8260B	1.0
Toluene	µg/L	EPA8260B	1.0
1,1,1-Trichloroethane	µg/L	EPA8260B	1.0
1,1,2-Trichloroethane	µg/L	EPA8260B	1.0
Trichloroethylene	µg/L	EPA8260B	1.0
Vinyl acetate	µg/L	EPA8260B	5.0
Xylenes	µg/L	EPA8260B	1.0

**Table 14. Methods and Estimated Quantitation Limits Used by GP**

<i>Analyte</i>	<i>Unit</i>	<i>Method</i>	<i>Minimum/Maximum EQLs</i>
Actinium-228	µCi/mL	EPIA-013	9.88E-09/2.05E-08
Americium-241	µCi/mL	EPIA-011	2.13E-11/3.61E-09
Antimony-125	µCi/mL	EPIA-013	6.39E-09/1.07E-08
Carbon-14	µCi/mL	EPIA-003	6.78E-09/1.34E-08
Cerium-144	µCi/mL	EPIA-013	1.53E-08/2.58E-08
Cesium-134	µCi/mL	EPIA-013	2.14E-09/3.64E-09
Cesium-137	µCi/mL	EPIA-013	2.16E-09/5.39E-09
Cobalt-57	µCi/mL	EPIA-013	1.96E-09/3.31E-09
Cobalt-60	µCi/mL	EPIA-013	2.3E-09/5.28E-09
Curium-242	µCi/mL	EPIA-011	6.03E-12/4.34E-09
Curium-243/244	µCi/mL	EPIA-011	1.48E-11/1.44E-09
Curium-245/246	µCi/mL	EPIA-011	5.86E-12/1.43E-09
Europium-152	µCi/mL	EPIA-013	6.67E-09/1.11E-08
Europium-154	µCi/mL	EPIA-013	7.2E-09/1.27E-08
Europium-155	µCi/mL	EPIA-013	8.82E-09/1.36E-08
Gross alpha	µCi/mL	EPIA-001	1.73E-10/9.39E-09
Iodine-129	µCi/mL	EPIA-006	1.28E-10/2.88E-09
Lead-212	µCi/mL	EPIA-013	4.82E-09/7.48E-09
Manganese-54	µCi/mL	EPIA-013	2.29E-09/4.06E-09
Nickel-63	µCi/mL	EPIA-022	6.04E-09/1.96E-08
Nonvolatile beta	µCi/mL	EPIA-001	4.68E-10/1.52E-08
Plutonium-238	µCi/mL	EPIA-011	1.09E-11/3.91E-09
Plutonium-239/240	µCi/mL	EPIA-011	2.3E-11/2.13E-09
Potassium-40	µCi/mL	EPIA-013	2.6E-08/5.83E-08
Promethium-144	µCi/mL	EPIA-013	2.15E-09/4.01E-09
Promethium-146	µCi/mL	EPIA-013	3.01E-09/5.05E-09
Radium, total alpha-emitting	µCi/mL	EPIA-010	2.69E-10/1.37E-09
Radium-226	µCi/mL	EPIA-008	1.25E-10/1.01E-09
Radium-228	µCi/mL	EPIA-009	5.69E-10/1.51E-09
Ruthenium-106	µCi/mL	EPIA-013	2.15E-08/3.53E-08
Sodium-22	µCi/mL	EPIA-013	2.58E-09/4.5E-09
Strontium-89/90	µCi/mL	EPIA-004	9.71E-10/4.07E-09
Strontium-90	µCi/mL	EPIA-004	7.24E-10/2.49E-09
Technetium-99	µCi/mL	EPIA-005	4.06E-09/1.18E-08
Thorium-228	µCi/mL	EPIA-012	7.37E-11/4.72E-09
Thorium-230	µCi/mL	EPIA-012	1.97E-11/2.31E-09
Thorium-232	µCi/mL	EPIA-012	1.94E-11/1.38E-09
Tritium	µCi/mL	EPIA-002	5.17E-07/2.98E-05
Uranium-233/234	µCi/mL	EPIA-011	1.92E-11/2.02E-09
Uranium-235	µCi/mL	EPIA-011	2.35E-11/1.65E-09
Uranium-238	µCi/mL	EPIA-011	1.08E-11/1.41E-09
Yttrium-88	µCi/mL	EPIA-013	2.65E-09/5.64E-09
Zinc-65	µCi/mL	EPIA-013	5.01E-09/9.05E-09

**Table 15. Methods and Estimated Quantitation Limits Used by TM**

Analyte	Unit	Method	Minimum/Maximum EQLs
Actinium-228	µCi/mL	EPA901.1MOD	1.687E-08/2.637E-08
Antimony-124	µCi/mL	EPA901.1MOD	4.97E-09/5.57E-09
Antimony-125	µCi/mL	EPA901.1MOD	1.089E-08/1.408E-08
Barium-133	µCi/mL	EPA901.1MOD	4.5E-09/6.67E-09
Cerium-144	µCi/mL	EPA901.1MOD	2.498E-08/2.769E-08
Cesium-134	µCi/mL	EPA901.1MOD	4.63E-09/5.51E-09
Cesium-137	µCi/mL	EPA901.1MOD	4.32E-09/6.95E-09
Cobalt-57	µCi/mL	EPA901.1MOD	3.41E-09/3.5E-09
Cobalt-58	µCi/mL	EPA901.1MOD	4.18E-09/6.51E-09
Cobalt-60	µCi/mL	EPA901.1MOD	4.79E-09/7.23E-09
Europium-152	µCi/mL	EPA901.1MOD	3.116E-08/4.394E-08
Europium-154	µCi/mL	EPA901.1MOD	1.269E-08/1.976E-08
Europium-155	µCi/mL	EPA901.1MOD	1.004E-08/1.359E-08
Gross alpha	µCi/mL	EPA900.0MOD	1.1E-10/2.527E-08
Iodine-129	µCi/mL	EPA902.0MOD	2.15E-09/1.072E-08
Lead-212	µCi/mL	EPA901.1MOD	5.75E-09/8.18E-09
Manganese-54	µCi/mL	EPA901.1MOD	4.27E-09/6.98E-09
Neptunium-239	µCi/mL	EPA901.1MOD	6.193E-08/1.092E-07
Nonvolatile beta	µCi/mL	EPA900.0MOD	2.6E-10/9.42E-09
Potassium-40	µCi/mL	EPA901.1MOD	5.141E-08/6.072E-08
Promethium-144	µCi/mL	EPA901.1MOD	4.88E-09/6.55E-09
Promethium-146	µCi/mL	EPA901.1MOD	7.93E-09/1.076E-08
Radium, total alpha-emitting	µCi/mL	EPA903.0MOD	4.3E-10/1.27E-09
Radium-226	µCi/mL	EPA903.0MOD	1.6E-10/3.9E-10
Radium-228	µCi/mL	EPA904.0MOD	9.4E-10/1.95E-09
Ruthenium-106	µCi/mL	EPA901.1MOD	3.903E-08/5.714E-08
Sodium-22	µCi/mL	EPA901.1MOD	4.55E-09/7.07E-09
Strontium-90	µCi/mL	EMLSR02MOD	5.5E-10/4.19E-09
Technetium-99	µCi/mL	EICHROMTC1MOD	1.34E-09/1.412E-08
Tin-113	µCi/mL	EPA901.1MOD	4.93E-09/6.58E-09
Tritium	µCi/mL	EPA906.0MOD	3.8E-07/3.3415E-04
Yttrium-88	µCi/mL	EPA901.1MOD	4.24E-09/5.57E-09
Zinc-65	µCi/mL	EPA901.1MOD	9.82E-09/1.39E-08
Zirconium-95	µCi/mL	EPA901.1MOD	7.95E-09/1.103E-08

**NOTES**

# Quality Control Samples

This section discusses the analytical data in terms of the following indicators of data quality: precision, accuracy, representativeness, comparability, and completeness. Precision is determined from the field and laboratory duplicate or replicate analyses and indicates the consistency of field and laboratory techniques. Accuracy is determined from the quality control standards, laboratory control samples or blank spikes, surrogates, matrix spikes, and the results of method, field, and trip blanks and indicates the ability of the laboratory to generate correct results. (Equipment blanks are used to evaluate the effectiveness of the cleaning procedures used in the field.) Representativeness is the determination of how well the sample reflects the site's characteristics. Comparability expresses the confidence with which data from different laboratories are considered to be equivalent. Completeness measures the amount of useable data resulting from the data collection activity.

## PRECISION

Precision is a measure of the repeatability of a measurement and is evaluated from the results of duplicate samples and splits. Blind replicates, or field replicates, measure the repeatability of the sampling and analytical techniques, and laboratory duplicates measure the ability of the laboratory to reproduce a result. Split samples measure whether two laboratories using comparable procedures obtain equivalent results. Low precision can be caused by poor instrument performance, poor operator technique, inconsistent application of method protocols, laboratory environment, time between analyses, or by a difficult, heterogeneous sample matrix.

## Replicate and Duplicate Analyses of Samples

Blind replicate and duplicate samples are analyzed to establish the precision of scheduled analyses. The replicate and duplicate analytical results are used to generate Mean Relative Difference (MRD) indices, which are used to evaluate the laboratories' performances.

The primary laboratories EX, GE, and WA, performed all analyses with the following exceptions: GP and TM performed radionuclide analyses for EX, GE, and WA; and ML performed some on-site volatile and semivolatile organics and metals analyses.

For intralaboratory comparisons, generally 10% of the samples are analyzed in duplicate. In addition, EPD/EMS sends blind replicates of approximately 5% of the total samples to the laboratories for analysis. The results of the blind replicate analyses are used for both intralaboratory and interlaboratory comparisons.

All second quarter 1999 analytical results that have undergone verification and validation are included in the **Analytical Results** section (**Appendix B**); those that have not are in the **Analytical and Sampling Blank Results for MSB Wells** section (**Appendix D**) of this report. Results from duplicate samples are included in the main table for a given well and sample date. Results from analyses of replicate samples and duplicate analyses of the replicates are reported in a second table for the same well and sample date.

Table 16 lists the well names, sample dates, and associated blanks for wells used as blind replicates for EX, GE, WA, and ML.

Certain analytes were not present in concentrations above estimated quantitation limits in any well samples having replicates or duplicates. These analytes are not considered in further evaluation of replicate and duplicate analyses and are listed in tables 17 and 18. See tables 10–15 for the estimated quantitation limits that are applicable this quarter.

## Intralaboratory Comparisons

Intralaboratory comparisons are of two types: in-house duplicates and blind replicates. The MRD was developed by R.C. Tuckfield of the Applied Statistics Group at the Savannah River Technology Center, in conjunction with M.M. Khalil of EPD/EMS, to assess the reproducibility of identical chemical analyses. For both intralabora-

tory comparisons, the MRD is defined as the average absolute difference between an original sample and its duplicate or blind replicate, expressed as a percentage of the mean of those two values. It is calculated as

$$\text{MRD} = \left\{ \frac{\sum_{i=1}^n (|x_i - y_i| / [(x_i + y_i) / 2])}{n} \right\} \times 100,$$

where

$x_i$  = an analyte's mean concentration  
in a water sample for the  $i^{\text{th}}$  well,

$y_i$  = the analyte's mean concentration  
in the replicate or duplicate, and

$n$  = the number of pairs of observations.

For the in-house duplicate comparisons, the quantities  $x_i$  and  $y_i$  represent the results for the original sample and the in-house duplicate, respectively. For the blind replicate comparisons,  $x_i$  and  $y_i$  represent the results for the known sample and the EPD blind replicate, respectively. Generally, the closer the original results and their replicate or duplicate results are to each other, the lower the MRD.

### An Adjusted Mean Relative Difference

A drawback to the MRD statistic occurs when  $x_i$  and  $y_i$  are close to zero. This drawback can be illustrated by determining the relative difference (RD) for the  $i^{\text{th}}$  well or sample as follows:

$$\text{RD}_i = \frac{|x_i - y_i|}{z_i}$$

$$\text{where } z_i = \left( \frac{x_i + y_i}{2} \right)$$

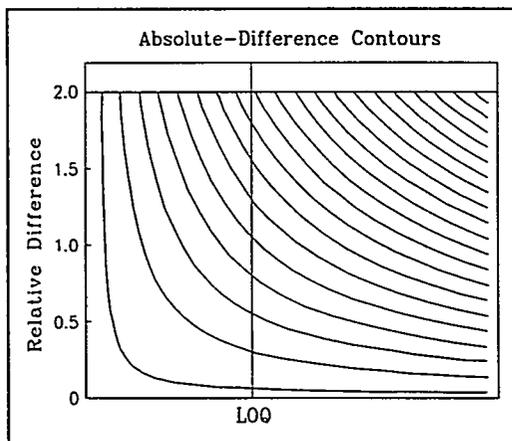


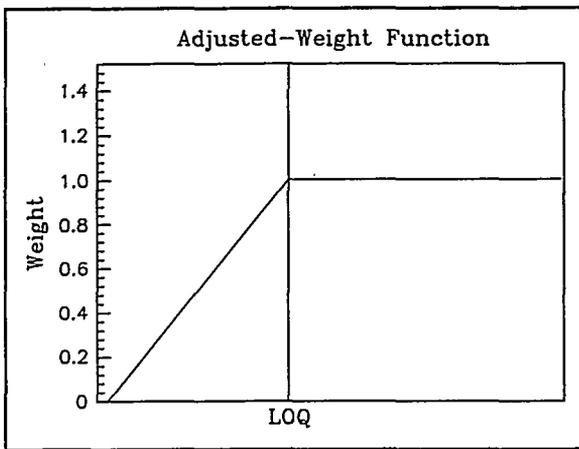
Figure 4. Relative Difference vs. the Mean

The  $RD_i$  is an individual term in the MRD calculation for the  $i^{\text{th}}$  replicated sample. For example, if  $x_i = 99$  and  $y_i = 101$ , then  $RD_i = 2\%$ . However, if  $x_i = 3$  and  $y_i = 1$ , then  $RD_i = 100\%$ . Both situations have the same absolute difference, but the latter situation has a much larger relative difference. The effect can be shown by graphing the relative difference vs. the mean ( $z_i$ ) and marking contours for constant levels of absolute difference (figure 4). The first contour, in the lower left corner of the figure, represents the smallest absolute difference. The last contour, in the upper right corner of the figure, represents the largest absolute difference.

The inordinate inflation of the MRD when  $x_i$  and  $y_i$  are near zero is of particular concern when the results are below the limit of quantitation (LOQ). Briefly, the LOQ is defined by L.H. Keith (1991) as 10 times the instrument signal standard deviation ( $\sigma$ ) for blank samples. For perspective, the limit of detection is defined as  $3\sigma$ .

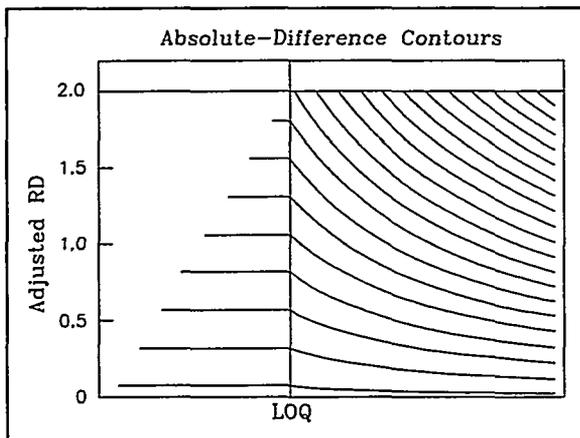
The reproducibility of analytical results less than the LOQ is considered by environmental chemists to be questionable. In this situation, the  $RD_i$  may reflect variation more in the measuring device itself than in the measuring process. However, the MRD can be a useful statistic if adjusted so that results below the LOQ have less influence than more reproducible results above the LOQ.

The simplest adjustment to the MRD to reduce the influence of analyte concentrations near zero is to weight each  $RD_i$  in the calculation by an amount,  $w_i$ , that reflects its proximity to the LOQ value. Figure 5 shows the relationship between  $w_i$  and analyte concentration. This relationship is a linear-weight function.



**Figure 5. Relationship between  $w_i$  and Analyte Concentration**

Figure 6 shows the computer simulation results for the effect of a linear-weight function on the now-adjusted MRD ( $MRD_{adj}$ ), developed by Tuckfield and Khalil, again by determining constant contours of absolute difference. Below the LOQ, all samples with the same absolute difference are given the same adjusted RD value. Above the LOQ, the unadjusted RD is preserved because the weight function is unity when  $z_i$  is greater than the LOQ.



**Figure 6. Effect of a Linear-Weight Function on the  $MRD_{adj}$**

The MRDadj, then, has the following form:

$$\text{MRDadj} = \frac{\sum_{i=1}^n w_i \text{RD}_i}{n},$$
$$\text{where } w_i = \begin{cases} \frac{z_i}{\text{LOQ}} & ; \text{ if } z_i < \text{LOQ} \\ 1 & ; \text{ otherwise.} \end{cases}$$

This adjustment has several advantages. For example, the weight function reflects the chemist's view of the reliability of the measurement. If analyses are conducted on different equipment (i.e., with different LOQs), the precision of the equipment is included automatically in the MRD. Data from more precise equipment are given more influence. Also, no data are removed from the computation completely, so the sample size ( $n$ ) is not affected.

### **Normalizing Data to the Reference Detection Limit**

Because some detection limits may be anomalously high (because of dilution or other effects, for example), it is necessary to use a reference detection limit (RDL) in the MRD calculations. This is set as the 90th percentile value of the detection limits of the not-detected samples. All the results less than the RDL are adjusted up to that value. Results that are detection limit values above the RDL are eliminated from the MRD index calculations. By definition, fewer than 10% of the detection limit values are above the RDL. The intralaboratory MRD indices are listed in tables 19–24. Table 21 provides the intralaboratory MRD matrix spike indices for GE.

### **Interlaboratory Comparisons**

For interlaboratory comparisons, the MRD is calculated as the average absolute difference between the laboratories for the  $i^{\text{th}}$  well expressed as a percentage of the mean of both laboratories. For these comparisons,  $x_i$  and  $y_i$  represent the mean analyte concentrations for the  $i^{\text{th}}$  well;  $x_i$  represents the mean from one laboratory, and  $y_i$  represents the mean from the other. The means are calculated from the known sample results and the EPD blind replicate results.

### **Choosing an RDL**

For interlaboratory comparisons, a new RDL must be established for calculation of the MRD. The interlaboratory RDL is chosen as the 90th percentile value from the combined array of non-detected sample results from both laboratories.

### **Normalizing Data to the RDL**

All results less than the RDL are adjusted to the new RDL value. Detection limit values above the RDL are eliminated from the MRD index comparison and from the  $t$ -tests. By definition, fewer than 10% of the detection limit values are above the RDL. In addition to the interlaboratory MRD calculations, paired  $t$ -tests are performed to see if the difference between the mean concentrations of an analyte from the same well reported by each laboratory is significant. The  $t$ -test tests the null hypothesis that there is no significant difference in the concentrations reported by the two laboratories. The MRD and the  $t$ -test results for analytes with at least one pair of results above the interlaboratory RDL are listed in tables 25–27.

Analytes with significance-of-probability values less than .050 (tables 25–27) indicate a probability of less than 5% that the results for that analyte are the same from both laboratories.

### **Presentation of the Replicate and Duplicate Analyses**

In tables 25–27, high MRDs (greater than or equal to 20) appear in bold type. Low MRDs (less than or equal to .050) appear in bold italic type.

Table 28 lists analytes and wells for which samples and blind replicates analyzed by EX yielded results where one was more than twice another.

Table 29 lists analytes and wells for which samples and laboratory duplicates analyzed by EX yielded results where one was more than twice another.

Table 30 lists analytes and wells for which samples and blind replicates analyzed by WA yielded results where one was more than twice another.

Table 31 lists analytes and wells for which samples and laboratory duplicates analyzed by WA yielded results where one was more than twice another.

Table 32 lists analytes and wells for which samples and blind replicates analyzed by GP yielded results where one was more than twice another.

Table 33 lists analytes and wells for which samples and laboratory duplicates analyzed by GP yielded results where one was more than twice another.

Table 34 lists analytes and wells for which samples and laboratory duplicates analyzed by TM yielded results where one was more than twice another.

Tables 35–37 list analytes and wells where a result from one laboratory was more than twice the corresponding result from the other laboratory.

See the **Analytical Methods** subsection of the **Analytical Data Review** section of this report for more information.

## **ACCURACY**

Accuracy is defined as the closeness of agreement between an observed value and an accepted reference value or as a measure of the over- or underestimation of reported concentrations. Accuracy is especially important when the concentration of concern approaches the detection limit and/or the action limit. When the concentration is underestimated near the detection limit, the analyte may be present but reported as not detected; near the action limit, the analyte may be at a concentration that would require remediation, but the remediation would not be performed. When the concentration is overestimated near the detection limit, the analyte may not be present but reported as detected; near the action limit, the analyte may not be at a concentration that would require remediation, but the remediation would be performed. Quality control standards, performance evaluation studies, laboratory control samples, surrogate and matrix spikes, and method blanks are used to evaluate accuracy.

## **Quality Control Standards**

During second quarter 1999, EPD/EMS conducted quality assessments of EX, GE, and WA laboratories. Each laboratory received a set of certified environmental quality control standards from Environmental Resource Associates (ERA) of Arvada, CO (lot numbers 435, 574, 580, 581, 585, 587, 3214, 3427, 8913, 9980, 9983, 9985, 13028, and 21028). Each laboratory's results were compared with the ERA-certified values and performance acceptance limits (PALs). The PALs are listed as guidelines for acceptable analytical results given the limitations of the EPA methods used to determine these parameters. The PALs closely approximate the 95% confidence interval. EX, GE, and WA all returned results for second quarter 1999 quality control assessments. The laboratories' results and the certified values and limits are listed in tables 38–40.

EX, GE, and WA analyzed total petroleum hydrocarbons by the infrared method and grease and oil by the gravimetric method. The laboratories were requested to report m-cresol and p-cresol as m/p-cresol and m-xylene and p-xylene as m/p-xylene because current analytical methods do not allow them to separate these analytes reliably.

Of 107 analyses reported by EX, 101, or 94.4%, were within the PALs. Of the 107 analyses reported by GE, 105, or 98.1%, were within the PALs. Of 107 analyses reported by WA, 93, or 86.9%, were within the PALs. During second quarter 1999, WA experienced a problem with the laboratory equipment used to conduct

analytical method EPA8081 for pesticides, PCBs, and toxaphene. Except for the analyses using analytical method EPA8081, 96.7% of the analyses reported by WA during second quarter 1999 were within the PALs.

## Laboratory Control Samples

Laboratory control samples are used to monitor the performance of all steps in the analysis process, including sample preparation, and are used to identify problems with the analytical procedure. Laboratory control samples are deionized water that is spiked with the target analyte, digested, and analyzed with the regular samples for inorganic parameters. Blank spikes are organic-free water that is spiked with selected target analytes, extracted, and analyzed with the regular samples for organic parameters. The spiking solutions for laboratory control samples are obtained from the EPA or a third-party supplier, or they are prepared in the laboratory with chemicals from a different source than the calibration standards. All laboratory control standards are validated to EPA standards, as detailed in the *EGG Operating Handbook*, section 1.800, **Analytical Data Qualification**.

The percent recovery (% R) for laboratory control samples or blank spikes is calculated as

$$\% R = \frac{\text{Observed concentration}}{\text{Known concentration}} \times 100.$$

Tables 41–46 list the statistical information for the percent recovery for laboratory control samples by analyte for EX, GE, WA, ML, GP, and TM. The *Qualified Out of Range* column provides the number of laboratory control samples or blank spikes that had percent recoveries outside the acceptance limits compared to the total number analyzed; the other columns provide the mean recovery, standard deviation, and the minimum and maximum recoveries.

## Surrogates

Surrogates are analytes not normally found in environmental samples that are used to spike all samples, QC samples, and calibration standards for organic analyses. Surrogates are added prior to analysis for VOAs (volatile organic analyses) and prior to extraction for semivolatiles, pesticides, and herbicides. Low surrogate recovery is a measure of the effect of the sample matrix, high analyte concentration, or laboratory error. High surrogate recovery usually indicates instrument or sample preparation errors. All surrogates are validated to EPA standards, as detailed in the WSRC *EGG Operating Handbook*, section 1.800, **Analytical Data Qualification**.

Tables 47–50 list the statistical information for the percent recovery for the surrogates by analyte for EX, GE, WA, and ML. The *Qualified Out of Range* column gives the number of surrogates that had percent recoveries outside the acceptance limits compared to the total number analyzed; the other columns provide the mean recovery, standard deviation, and the minimum and maximum recoveries.

## Matrix Spikes

Matrix spikes are used to evaluate the effect of the sample matrix on the analytical procedure. Matrix spikes are prepared by adding a known quantity of the target analyte to at least 5% of the samples prior to sample preparation. For the inorganic analyses, all target analytes are spiked. For the organic analyses, selected target analytes are used in the spiking solution. Results from the matrix spike are used to evaluate the extent of matrix interference and to determine the bias of the procedure for the sample matrix. Matrix spikes have the same recovery limits as laboratory control samples.

The percent recovery for matrix spikes is calculated as

$$\% R = \frac{SSR - SR}{SA} \times 100,$$

where

% R = percent recovery

SSR = spiked sample result

SR = sample result, and

SA = spike added.

Percent bias in tables 51–55 is the difference between 100% and the mean recovery; a negative value indicates that the mean recovery was below 100%. If the bias is consistently positive, the laboratory may be overestimating the concentration of the analyte, and if the bias is consistently negative, the laboratory may be underestimating the concentration of the analyte. Results close to the quantitation and action limits should be closely examined, and their use in decision-making should be carefully considered.

Matrix spikes are rejected if the concentration of the analyte in the sample is more than four times the amount of the spike. Results for matrix spikes are provided in tables 51–55 for EX, GE, WA, ML, and GP. The *Qualified Out of Range* column provides the number of matrix spikes that had percent recoveries outside the acceptance limits compared to the total number analyzed; the other columns provide the mean recovery, standard deviation, percent bias, and the minimum and maximum recoveries.

## Method Blanks

Method blanks, or laboratory blanks, are used to determine the existence and magnitude of contamination problems resulting from the analytical process. Method blanks are deionized water to which all reagents are added in the same proportions used in sample processing. When method blanks have detectable concentrations of the analytes, the laboratory must determine the cause and take corrective action to eliminate the contamination.

Tables 56–61 list the statistical information for analytes detected in method blanks for EX, GE, WA, ML, GP, and TM. The *Frequency of Detection* column provides the number of method blanks analyzed for each analyte during the quarter that had detectable concentrations compared to the total number that were analyzed. The other columns list the mean result, standard deviation, and minimum and maximum results.

## Field Blanks

Field blanks (called QA blanks in the tables) are used to identify possible sources of contamination from the processing and shipping of samples. Field blanks are sample bottles filled with deionized water prior to well sampling; the bottles are not opened at the sampling site. The field blanks are sent along with, and analyzed in the same manner as, the samples. Positive results from field blanks can result from analytical bias, contaminated sample bottles, contaminated deionized water, or contamination during shipping or analysis. The results from all samples in the sample delivery group are evaluated by the laboratory and data validators to determine the cause of the contamination and the corrective action to be taken.

Tables 62–66 list the statistical information for the field blanks by analyte for EX, GE, WA, GP, and TM. The *Frequency of Detection* column gives the number of field blanks analyzed for each analyte during the quarter that had detectable concentrations compared to the total number analyzed. The other columns list the mean result, standard deviation, and minimum and maximum results.

## Trip Blanks

Trip blanks are vials of deionized water sent to the laboratory for volatiles analysis with each shipping cooler containing volatiles samples. Trip blanks are used to check for contamination resulting from shipping, primarily due to the breaking of the vial's seal because of depressurization during air transport. Trip blanks are used also to test the laboratories' reliability. The blanks are prepared by adding preservative to a 40 mL vial, filling it completely with deionized water, and sealing the top with a teflon-lined septum cap. The results from all samples in the sample delivery group are evaluated by the laboratory and data validators to determine the cause of the contamination and the corrective action to be taken.

Tables 67–70 list the statistical information for the analytes detected in trip blanks by EX, GE, WA, and ML. The *Frequency of Detection* column gives the number of trip blanks analyzed for each analyte during the quarter that had detectable concentrations compared to the total number analyzed. The other columns list the mean result, standard deviation, and minimum and maximum results.

## Equipment Blanks or Rinsates

Equipment blanks (called EPT blanks in the tables) or rinsates are used to determine if sampling equipment that has been cleaned in the field is contaminated. Prior to sampling, deionized water is poured over or pumped through portions of the sampling equipment that come in contact with the sample. If the equipment blank is contaminated, the field cleaning procedure must be evaluated to determine the cause of the contamination. Results for all samples collected with equipment cleaned in the field must be evaluated to determine whether the contamination is isolated or generalized.

No information about equipment blanks was provided for second quarter 1999.

## Blanks Results

The blanks results tables in **Appendix C** list the dates, field measurements, and analytical results for the sampling blanks. See **Appendix B** for a key to the abbreviations used in the tables.

## REPRESENTATIVENESS

A representative sample is a sample that can be expected to exhibit the average properties of the population being sampled. Representativeness for groundwater samples can be affected by using a bailer to collect the sample from the well, metal casings in the well, and turbidity (suspended particulates) in the sample. The results may be biased positively or negatively.

If a well is bailed, VOAs are biased negatively due to aeration of the sample in the sampling process. No wells were bailed during second quarter 1999.

For metal casings, the bias for metals can be positive or negative depending on whether the casing is releasing or absorbing metals. Table 71 lists the wells with metal casings that were sampled during second quarter 1999.

If turbidity is greater than 15 NTU, the metals can be biased positively or negatively, and the radionuclides—particularly those that are determined by gamma spectroscopy—can be masked due to self-absorption. Table 72 lists the wells that had turbidity results greater than 15 NTU during second quarter 1999.

## COMPARABILITY

Comparability is evaluated by confirming that the laboratories used the same standardized procedures for sample preparation and analysis, that the reporting units are the same, and that similar quantitation limits were obtained. The analytical methods, reporting units, and EQLs reported by each laboratory are given in tables 10–15 in the **Analytical Data Review** section. Tables 35–37 list the analytes and wells where a result from one laboratory was more than twice the corresponding result from the other laboratory.

## COMPLETENESS

Completeness is evaluated by comparing the wells scheduled for sampling with the wells sampled and comparing the requested analyses with the analytical data received. The number of wells sampled and the requested analyses are determined from the chains of custody. The laboratories performed all requested analyses on samples from wells that could be sampled. See the **Sample Scheduling, Field Notes, Analytical Results, and Analytical and Sampling Blanks Results for MSB Wells** sections of this report for more information on wells scheduled but not sampled this quarter.

**Table 16. Wells Providing Blind Replicate Samples and Associated Blanks**

<i>Well</i>	<i>Sample Date</i>	<i>Replicate</i>	<i>Associated Blank</i>
BGO 14AR	05/25/99	QA 43B	QA 44B
BGO 15D	05/24/99	QA 45B	QA 46B
BGO 20B	04/14/99	QA 25B	QA 26B
BGO 39C	05/17/99	QA 27B	QA 28B
BGO 52C	06/14/99	QA 29B	QA 30B
CSL 26D	04/14/99	QA 57B	QA 58B
DBP 4	04/13/99	QA 61B	QA 62B
DOB 2	06/03/99	QA 37B	QA 38B
FSB 76A	04/05/99	QA 1B	QA 2B
FSB 78B	04/15/99	QA 3B	QA 4B
FSB 87A	04/06/99	QA 5B	QA 6B
FSB 93C	04/06/99	QA 7B	QA 8B
FSB 98AR	04/15/99	QA 9B	QA 10B
HSB 83A	04/19/99	QA 11B	QA 12B
HSB 86B	04/16/99	QA 13B	QA 14B
HSB118A	04/22/99	QA 15B	QA 16B
HSB120A	04/23/99	QA 17B	QA 28B
HSB127C	04/21/99	QA 19B	QA 20B
HSB131C	04/23/99	QA 21B	QA 22B
HSB140A	04/23/99	QA 23B	QA 24B
KCB 3	05/12/99	QA 67B	QA 68B
LFW 10A	06/03/99	QA 47B	QA 48B
LFW 61D	06/07/99	QA 49B	QA 50B
P 26B	05/04/99	QA 51B	QA 52B
PSB 2A	05/21/99	QA 39B	Not applicable
RSD 3	05/14/99	QA 63B	QA 64B
RSE 7	06/17/99	QA 64B	QA 66B
RWM 3	04/14/99	QA 31B	Not applicable
RWM 8	Canceled		
RWM 11	06/14/99	QA 35B	Not applicable
SBG 4	05/20/99	QA 59B	Not applicable
SRW 9	05/10/99	QA 41B	Not applicable
TRW 4	05/17/99	QA 53B	QA 54B
TNX 61M	Canceled		
XSB 4D	05/05/99	QA 55B	QA 56B

**Table 17. Analytes Not Showing Measurable Concentrations above Estimated Quantitation Limits in Any Replicated or Duplicated Samples for GE, WA, EX, and ML**

Analyte	Number of Analyses			
	GE	WA	EX	ML
Acenaphthene	5	8	--	--
Acenaphthylene	5	8	--	--
Acetonitrile	--	2	6	--
Acetophenone	1	4	--	--
2-Acetylaminofluorene	1	4	--	--
Acrolein	--	2	6	--
Acrylonitrile	--	2	6	--
Aldrin	4	3	--	--
Allyl chloride	--	2	6	--
4-Aminobiphenyl	1	4	--	--
Aniline	1	4	--	--
Anthracene	5	8	--	--
Antimony	6	17	2	--
Aramite	1	4	--	--
Benzene	7	41	20	--
alpha-Benzene hexachloride	4	3	--	--
beta-Benzene hexachloride	4	3	--	--
delta-Benzene hexachloride	4	3	--	--
Benzidine	4	--	--	--
Benzo[a]anthracene	5	8	--	--
Benzo[b]fluoranthene	5	8	--	--
Benzo[k]fluoranthene	5	8	--	--
Benzoic acid	4	--	--	--
Benzo[g,h,i]perylene	5	8	--	--
Benzo[a]pyrene	5	8	--	--
Benzyl alcohol	5	4	--	--
Beryllium	6	6	2	--
Bis(2-chloroethoxy) methane	5	8	--	--
Bis(2-chloroethyl) ether	5	8	--	--
Bis(2-chloroisopropyl) ether	5	8	--	--
Bis(2-ethylhexyl) phthalate	7	10	--	--
Bromodichloromethane	7	41	20	--
Bromoform	7	41	20	--
Bromomethane	7	41	20	--
4-Bromophenyl phenyl ether	5	8	--	--
Butylbenzyl phthalate	5	8	--	--
Cadmium	17	30	6	--
Carbazole	--	4	--	--
Carbon disulfide	4	6	8	--
alpha-Chlordane	4	3	--	--
gamma-Chlordane	4	3	--	--
4-Chloroaniline	5	8	--	--
Chlorobenzene	7	41	20	--
Chlorobenzilate	1	4	--	--
4-Chloro-m-cresol	4	4	--	--
Chloroethane	7	41	20	--
2-Chloroethyl vinyl ether	3	35	12	--
Chloromethane	7	41	20	--
2-Chloronaphthalene	5	8	--	--
2-Chlorophenol	4	4	--	--
4-Chlorophenyl phenyl ether	5	8	--	--
Chloroprene	--	2	6	--
Chromium, hexavalent	8	2	--	--
Chrysene	5	8	--	--
Cobalt	4	5	2	--
Copper	6	17	2	--
m/p-Cresol	4	--	--	--

**Quality Control Samples**

Analyte	Number of Analyses			
	GE	WA	EX	ML
o-Cresol	4	4	—	—
p-Cresol	—	4	—	—
Cyanide	17	5	12	—
p,p'-DDD	4	3	—	—
p,p'-DDE	4	3	—	—
p,p'-DDT	4	3	—	—
Diallate	1	4	—	—
Dibenz[a,h]anthracene	5	8	—	—
Dibenzofuran	5	8	—	—
Dibromochloromethane	7	41	20	—
1,2-Dibromo-3-chloropropane	—	2	6	—
1,2-Dibromoethane	—	2	6	—
Dibromomethane	—	2	6	—
Di-n-butyl phthalate	5	8	—	—
1,2-Dichlorobenzene	5	8	6	—
1,3-Dichlorobenzene	5	8	6	—
3,3'-Dichlorobenzidine	5	8	—	—
trans-1,4-Dichloro-2-butene	—	2	6	—
1,2-Dichloroethane	7	41	20	—
1,1-Dichloroethylene	7	41	20	—
Dichloromethane	7	41	20	—
2,4-Dichlorophenol	4	4	—	—
1,2-Dichloropropane	7	41	20	—
cis-1,3-Dichloropropene	7	41	20	—
trans-1,3-Dichloropropene	7	41	20	—
Dieldrin	4	3	—	—
Diethyl phthalate	5	8	—	—
2,4-Dimethyl phenol	4	4	—	—
Dimethyl phthalate	5	8	—	—
p-Dimethylaminoazobenzene	1	4	—	—
7,12-Dimethylbenz[a]anthracene	1	4	—	—
3,3'-Dimethylbenzidine	1	4	—	—
a,a-Dimethylphenethylamine	1	4	—	—
1,3-Dinitrobenzene	1	4	—	—
2,4-Dinitrophenol	4	4	—	—
2,4-Dinitrotoluene	5	8	—	—
2,6-Dinitrotoluene	5	8	—	—
Di-n-octyl phthalate	5	8	—	—
1,4-Dioxane	1	4	6	—
Diphenylamine	1	4	—	—
Endosulfan sulfate	4	3	—	—
Endosulfan I	4	3	—	—
Endosulfan II	4	3	—	—
Endrin	4	7	—	—
Endrin aldehyde	4	3	—	—
Endrin ketone	4	3	—	—
Ethyl methacrylate	1	4	6	—
Ethyl methanesulfonate	1	4	—	—
Fluoranthene	5	8	—	—
Fluorene	5	8	—	—
Fluoride	—	4	—	—
Heptachlor	4	3	—	—
Heptachlor epoxide	4	3	—	—
Heptachlorodibenzo-p-dioxins	2	—	—	—
Hexachlorobenzene	5	8	—	—
Hexachlorobutadiene	5	8	—	—
Hexachlorocyclopentadiene	5	8	—	—
Hexachlorodibenzo-p-dioxins	2	—	—	—
Hexachloroethane	5	8	—	—
Hexachlorophene	—	4	—	—
Hexachloropropene	1	4	—	—

**Quality Control Samples**

Analyte	Number of Analyses			
	GE	WA	EX	ML
2-Hexanone	4	6	8	-
1,2,3,4,6,7,8-HPCDD	2	-	-	-
1,2,3,4,7,8-HXCCD	2	-	-	-
Indeno[1,2,3-c,d]pyrene	5	8	-	-
Iodomethane	-	2	6	-
Isobutyl alcohol	-	2	6	-
Isophorone	5	8	-	-
Isosafrole	1	4	-	-
Lead	17	33	20	-
Lindane	4	3	-	-
Mercury	23	36	13	-
Methacrylonitrile	-	2	6	-
Methapyrilene	1	4	-	-
Methoxychlor	4	3	-	-
2-Methyl-4,6-dinitrophenol	4	4	-	-
Methyl methacrylate	-	4	6	-
Methyl methanesulfonate	1	4	-	-
3-Methylcholanthrene	1	4	-	-
2-Methylnaphthalene	5	8	-	-
Naphthalene	5	8	-	-
1,4-Naphthoquinone	1	4	-	-
1-Naphthylamine	1	4	-	-
2-Naphthylamine	1	4	-	-
Nickel	6	17	2	-
m-Nitroaniline	5	8	-	-
o-Nitroaniline	5	8	-	-
p-Nitroaniline	5	8	-	-
Nitrobenzene	5	8	-	-
2-Nitrophenol	4	4	-	-
4-Nitrophenol	4	4	-	-
4-Nitroquinoline-1-oxide	1	4	-	-
N-Nitrosodi-n-butylamine	1	4	-	-
N-Nitrosodiethylamine	1	4	-	-
N-Nitrosodimethylamine	1	4	-	-
N-Nitrosodiphenylamine	5	8	-	-
N-Nitrosodipropylamine	5	8	-	-
N-Nitrosomethylethylamine	1	4	-	-
N-Nitrosomorpholine	1	4	-	-
N-Nitrosopiperidine	1	4	-	-
N-Nitrosopyrrolidine	1	4	-	-
5-Nitro-o-toluidine	1	4	-	-
Octachlorodibenzo-p-dioxin	2	4	-	-
PCB 1016	4	3	-	-
PCB 1221	4	3	-	-
PCB 1232	4	3	-	-
PCB 1242	4	3	-	-
PCB 1248	4	3	-	-
PCB 1254	4	3	-	-
PCB 1260	5	8	-	-
1,2,3,7,8-PCDD	2	-	-	-
Pentachlorobenzene	1	4	-	-
Pentachlorodibenzo-p-dioxins	2	-	-	-
Pentachloroethane	1	4	6	-
Pentachloronitrobenzene	1	4	-	-
Pentachlorophenol	4	4	-	-
Phenacetin	1	4	-	-
Phenanthrene	5	8	-	-
Phenol	4	4	-	-
Phenols	9	16	-	-
p-Phenylenediamine	1	4	-	-
2-Picoline	1	4	-	-

**Quality Control Samples**

Analyte	<u>Number of Analyses</u>			
	GE	WA	EX	ML
Pronamid	1	4	—	—
Propionitrile	—	2	6	—
Pyrene	5	8	—	—
Pyridine	1	4	—	—
Safrole	1	4	—	—
Selenium	6	25	6	—
Silver	6	25	6	—
Styrene	4	6	8	—
2,3,7,8-TCDD	2	—	—	—
1,2,4,5-Tetrachlorobenzene	1	4	—	—
Tetrachlorodibenzo-p-dioxins	2	—	—	—
1,1,1,2-Tetrachloroethane	—	2	6	—
1,1,2,2-Tetrachloroethane	7	41	20	—
Thallium	4	5	4	—
Tin	2	12	—	—
o-Toluidine	1	4	—	—
Toxaphene	4	3	—	—
1,2,4-Trichlorobenzene	5	8	—	—
1,1,1-Trichloroethane	7	60	63	—
1,1,2-Trichloroethane	7	41	20	—
Trichlorofluoromethane	3	37	18	—
2,4,5-Trichlorophenol	4	4	—	—
2,4,6-Trichlorophenol	4	4	—	—
1,2,3-Trichloropropane	—	2	6	—
1,3,5-Trinitrobenzene	1	4	—	—
Vanadium	4	5	2	—
Vinyl acetate	4	6	8	—

— No replicate or duplicate analyses were performed.

**Table 18. Analytes Not Showing Measurable Concentrations above Estimated Quantitation Limits in Any Replicated or Duplicated Samples for GP and TM**

Analyte	<u>Number of Analyses</u>	
	GP	TM
Americium-241	8	—
Antimony-124	—	4
Antimony-125	20	4
Barium-133	—	4
Cerium-144	20	4
Cesium-134	20	4
Cesium-137	20	4
Cobalt-57	20	4
Cobalt-58	—	4
Cobalt-60	20	4
Curium-242	8	—
Curium-243/244	8	—
Curium-245/246	8	—
Europium-152	20	4
Europium-154	20	4
Europium-155	20	4
Lead-212	20	4
Manganese-54	20	4
Neptunium-239	—	4
Nickel-63	6	—
Plutonium-238	8	—

**Quality Control Samples**

Analyte	<u>Number of Analyses</u>	
	GP	TM
Plutonium-239/240	8	—
Promethium-146	20	4
Sodium-22	20	4
Thorium-228	8	—
Thorium-230	8	—
Thorium-232	8	—
Tin-113	—	4
Yttrium-88	20	4
Zirconium-95	—	4

— No replicate or duplicate analyses were performed.

**Table 19. Intralaboratory MRD Indices for EX**

Analyte	RDL	<u>In-house Duplicates</u>			<u>Blind Replicates</u>		
		Number of Dup. Pairs	MRD	MRDadj	Number of Dup. Pairs	MRD	MRDadj
Acetone	50 µg/L	0	-	-	3	2.30	2.00
Aluminum	200 µg/L	0	-	-	6	0.00	0.00
Arsenic	17 µg/L	0	-	-	3	0.00	0.00
Barium	10 µg/L	0	-	-	4	0.75	0.75
Boron	100 µg/L	0	-	-	3	0.64	0.64
Calcium	†	0	-	-	1	3.33	3.33
Carbon tetrachloride	50 µg/L	1	0.00	0.00	9	0.00	0.00
Chemical oxygen demand	10,000 µg/L	1	0.00	0.00	1	53.90	22.80
Chloride	200 µg/L	1	0.00	0.00	1	1.42	1.42
Chloroethene	250 µg/L	0	-	-	6	0.00	0.00
Chloroform	50 µg/L	1	0.00	0.00	9	0.00	0.00
Chromium	10 µg/L	0	-	-	3	0.00	0.00
1,4-Dichlorobenzene	25 µg/L	0	-	-	2	3.85	1.20
Dichlorodifluoromethane	25 µg/L	0	-	-	2	2.17	1.20
1,1-Dichloroethane	250 µg/L	0	-	-	6	0.00	0.00
1,2-Dichloroethylene	1.0 µg/L	0	-	-	1	0.00	0.00
cis-1,2-Dichloroethylene	5.0 µg/L	1	118.37	87.00	5	0.00	0.00
trans-1,2-Dichloroethylene	250 µg/L	0	-	-	5	0.00	0.00
Ethylbenzene	250 µg/L	0	-	-	6	0.00	0.00
Iron	200 µg/L	0	-	-	6	3.76	2.38
Magnesium	†	0	-	-	1	4.76	4.76
Manganese	10 µg/L	0	-	-	4	0.89	0.45
Methyl ethyl ketone	50 µg/L	0	-	-	3	3.17	3.17
Methyl isobutyl ketone	25 µg/L	0	-	-	3	0.00	0.00
Nitrate as nitrogen	100 µg/L	6	1.61	1.14	3	1.74	1.74
Nitrate-nitrite as nitrogen	500 µg/L	1	0.00	0.00	1	4.26	1.44
pH	†	1	0.36	0.36	1	3.25	3.25
Potassium	5,000 µg/L	0	-	-	1	0.00	0.00
Sodium	†	0	-	-	1	15.38	15.38
Specific conductance	†	1	0.00	0.00	1	0.95	0.95
Sulfate	200 µg/L	1	0.00	0.00	1	0.81	0.81
Tetrachloroethylene	50 µg/L	1	0.00	0.00	9	1.00	0.40
Toluene	250 µg/L	0	-	-	6	0.00	0.00
Total organic carbon	†	0	-	-	1	34.15	34.15
Trichloroethylene	5.0 µg/L	1	120.00	120.00	9	19.33	19.33

**Quality Control Samples**

Analyte	RDL	<u>In-house Duplicates</u>			<u>Blind Replicates</u>		
		Number of Dup. Pairs	MRD	MRDadj	Number of Dup. Pairs	MRD	MRDadj
Xylenes	50 µg/L	0	-	-	3	0.00	0.00
Zinc	20 µg/L	0	-	-	1	0.00	0.00

† No detection limit, or no replicate or duplicate results below detection limit.

- No replicate or duplicate analyses could be calculated.

Note: An MRD of 0.00 indicates no difference between any of the pairs of results used in calculating the MRD. MRD results greater than or equal to 20 appear in bold.

**Table 20. Intralaboratory MRD Indices for GE**

Analyte	RDL	<u>In-house Duplicates</u>			<u>Blind Replicates</u>		
		Number of Dup. Pairs	MRD	MRDadj	Number of Dup. Pairs	MRD	MRDadj
Acetone	100 µg/L	0	-	-	2	0.00	0.00
Alkalinity (as CaCO <sub>3</sub> )	3,570 µg/L	2	0.45	0.45	0	-	-
Aluminum	50.0 µg/L	0	-	-	8	4.78	2.06
Arsenic	5.0 µg/L	0	-	-	2	0.00	0.00
Barium	†	0	-	-	2	3.43	3.43
Boron	50.0 µg/L	0	-	-	0	-	-
Calcium	†	0	-	-	2	2.39	2.39
Carbon tetrachloride	20.0 µg/L	0	-	-	2	0.00	0.00
Chloride	†	2	1.32	1.32	0	-	-
Chloroethene	20.0 µg/L	0	-	-	2	0.00	0.00
Chloroform	20.0 µg/L	0	-	-	2	0.00	0.00
Chromium	5.0 µg/L	0	-	-	3	0.00	0.00
1,4-Dichlorobenzene	10.4 µg/L	0	-	-	2	0.00	0.00
1,1-Dichloroethane	20.0 µg/L	0	-	-	2	0.00	0.00
1,2-Dichloroethylene	40.0 µg/L	0	-	-	2	0.00	0.00
trans-1,2-Dichloroethylene	1.0 µg/L	0	-	-	0	-	-
Ethylbenzene	20.0 µg/L	0	-	-	2	0.00	0.00
Iron	79.8 µg/L	0	-	-	8	1.65	1.36
Lithium	2.0 µg/L	0	-	-	0	-	-
Magnesium	†	0	-	-	2	2.76	2.76
Manganese	†	0	-	-	2	7.54	7.54
Methyl ethyl ketone	200 µg/L	0	-	-	2	0.00	0.00
Methyl isobutyl ketone	100 µg/L	0	-	-	2	0.00	0.00
Nitrate-nitrite as nitrogen	50.0 µg/L	31	2.51	2.18	12	7.95	5.14
pH	†	37	0.19	0.19	13	1.11	1.11
Potassium	†	0	-	-	2	5.42	5.42
Sodium	†	0	-	-	2	<b>23.29</b>	<b>23.29</b>
Specific conductance	†	36	0.61	0.61	12	2.33	2.33
Sulfate	†	4	1.01	1.01	0	-	-
Tetrachloroethylene	20.0 µg/L	0	-	-	2	0.00	0.00
Toluene	20.0 µg/L	0	-	-	2	0.00	0.00
Total dissolved solids	†	3	2.91	2.91	0	-	-
Total organic carbon	5,000 µg/L	2	0.00	0.00	0	-	-

<i>Analyte</i>	<i>RDL</i>	<i>In-house Duplicates</i>			<i>Blind Replicates</i>		
		<i>Number of Dup. Pairs</i>	<i>MRD</i>	<i>MRDadj</i>	<i>Number of Dup. Pairs</i>	<i>MRD</i>	<i>MRDadj</i>
Total organic halogens	10.0 µg/L	3	4.26	3.20	1	39.72	39.72
Trichloroethylene	1.0 µg/L	0	-	-	2	3.46	3.46
Xylenes	40.0 µg/L	0	-	-	2	0.00	0.00
Zinc	5.0 µg/L	0	-	-	2	10.19	10.19

† No detection limit, or no replicate or duplicate results below detection limit.

- No replicate or duplicate analyses could be calculated.

Note: An MRD of 0.00 indicates no difference between any of the pairs of results used in calculating the MRD. MRD results greater than or equal to 20 appear in **bold**.

**Table 21. Intralaboratory MRD Matrix Spike Indices for GE**

<i>Analyte</i>	<i>RDL</i>	<i>Number of Dup. Pairs</i>	<i>In-house Duplicates</i>	
			<i>MRD</i>	<i>MRDadj</i>
Acenaphthene	†	10	9.67	9.67
Aldrin	†	8	7.67	7.67
Benzene	†	12	4.85	4.85
Chlorobenzene	†	12	6.71	6.71
4-Chloro-m-cresol	†	10	11.71	11.71
2-Chlorophenol	†	10	9.73	9.73
p,p'-DDT	†	8	11.53	11.53
1,4-Dichlorobenzene	†	10	11.22	11.22
1,1-Dichloroethylene	†	12	4.07	4.07
Dieldrin	†	8	5.53	5.53
2,4-Dinitrotoluene	†	10	9.99	9.99
Endrin	†	8	8.80	8.80
Heptachlor	†	8	8.19	8.19
Lindane	†	8	7.67	7.67
4-Nitrophenol	†	10	11.71	11.71
N-Nitrosodipropylamine	†	10	8.69	8.69
PCB 1260	†	8	5.97	5.97
Pentachlorophenol	†	10	9.29	9.29
Phenol	†	10	10.88	10.88
Pyrene	†	10	10.26	10.26
Toluene	†	12	4.95	4.95
1,2,4-Trichlorobenzene	†	10	9.82	9.82
Trichloroethylene	†	14	4.53	4.53

† No detection limit, or no replicate or duplicate results below detection limit.

Note: An MRD of 0.00 indicates no difference between any of the pairs of results used in calculating the MRD.

### Quality Control Samples

**Table 22. Intralaboratory MRD Indices for WA**

Analyte	RDL	<u>In-house Duplicates</u>			<u>Blind Replicates</u>		
		Number of Dup. Pairs	MRD	MRDadj	Number of Dup. Pairs	MRD	MRDadj
Acetone	50.0 µg/L	1	0.00	0.00	0	-	-
Alkalinity (as CaCO <sub>3</sub> )	13,400 µg/L	6	1.45	1.45	2	3.86	3.86
Aluminum	146 µg/L	9	1.81	1.46	3	<b>20.43</b>	9.66
Arsenic	40.0 µg/L	9	0.00	0.00	3	0.00	0.00
Barium	3.9 µg/L	9	4.69	3.56	2	<b>32.58</b>	32.58
Boron	266 µg/L	7	0.00	0.00	2	0.00	0.00
Calcium	†	5	1.40	1.40	0	-	-
Carbon tetrachloride	10.0 µg/L	15	0.00	0.00	6	0.00	0.00
Chemical oxygen demand	32,700 µg/L	1	0.00	0.00	0	-	-
Chloride	†	4	2.84	2.84	0	-	-
Chloroethene	50.0 µg/L	8	0.00	0.00	5	0.00	0.00
Chloroform	5.0 µg/L	16	0.11	0.11	6	0.00	0.00
Chromium	7.0 µg/L	9	0.00	0.00	3	0.00	0.00
1,4-Dichlorobenzene	20.0 µg/L	3	0.00	0.00	1	0.00	0.00
Dichlorodifluoromethane	10.0 µg/L	0	-	-	0	-	-
1,1-Dichloroethane	25.0 µg/L	9	0.14	0.09	5	0.00	0.00
1,2-Dichloroethylene	25.0 µg/L	1	0.00	0.00	0	-	-
cis-1,2-Dichloroethylene	1.0 µg/L	8	0.67	0.67	1	4.71	4.71
trans-1,2-Dichloroethylene	50.0 µg/L	8	0.00	0.00	5	0.00	0.00
Ethylbenzene	50.0 µg/L	9	0.00	0.00	5	0.00	0.00
Iron	74.0 µg/L	9	3.53	2.12	2	2.38	0.87
Lithium	3.0 µg/L	7	0.37	0.14	2	6.14	6.14
Magnesium	†	5	1.07	1.07	0	-	-
Manganese	7.8 µg/L	5	0.63	0.59	1	2.27	2.27
Methyl ethyl ketone	50.0 µg/L	2	<b>64.03</b>	53.40	0	-	-
Methyl isobutyl ketone	50.0 µg/L	1	0.00	0.00	0	-	-
Nitrate as nitrogen	†	2	0.75	0.75	0	-	-
Nitrate-nitrite as nitrogen	43.0 µg/L	5	1.14	1.14	0	-	-
pH	†	7	0.49	0.49	0	-	-
Potassium	187 µg/L	5	0.44	0.44	0	-	-
Silica	†	3	1.44	1.44	0	-	-
Sodium	†	5	0.44	0.44	0	-	-
Specific conductance	†	3	0.28	0.28	0	-	-
Sulfate	†	10	4.52	4.52	2	9.35	9.35
Tetrachloroethylene	10.0 µg/L	15	0.00	0.00	6	0.00	0.00
Toluene	50.0 µg/L	9	0.00	0.00	5	0.00	0.00
Total dissolved solids	50,000 µg/L	14	3.29	1.84	2	<b>44.75</b>	24.30
Total organic carbon	1,000 µg/L	3	4.39	2.20	2	<b>22.18</b>	8.55
Total organic halogens	120 µg/L	12	0.00	0.00	3	0.81	0.33
Total phosphates (as P)	67.0 µg/L	2	5.17	2.69	0	-	-
Trichloroethylene	5.0 µg/L	17	0.99	0.82	6	0.72	0.72
Xylenes	25.0 µg/L	8	0.00	0.00	5	0.00	0.00
Zinc	53.0 µg/L	6	0.00	0.00	2	0.00	0.00

† No detection limit, or no replicate or duplicate results below detection limit.

- No replicate or duplicate analyses could be calculated.

Note: An MRD of 0.00 indicates no difference between any of the pairs of results used in calculating the MRD. MRD results greater than or equal to 20 appear in bold.

**Table 23. Intralaboratory MRD Indices for GP**

Analyte	RDL	<u>In-house Duplicates</u>			<u>Blind Replicates</u>		
		Number of Dup. Pairs	MRD	MRDadj	Number of Dup. Pairs	MRD	MRDadj
Actinium-228	1.58E-08 µCi/mL	7	1.05	0.33	2	0.00	0.00
Carbon-14	8.95E-09 µCi/mL	10	10.79	6.79	5	18.84	10.66
Gross alpha	1.15E-09 µCi/mL	29	12.96	7.28	17	12.53	7.81
Iodine-129	1.43E-09 µCi/mL	7	14.21	13.91	2	0.00	0.00
Nonvolatile beta	1.52E-09 µCi/mL	29	6.13	4.19	16	26.00	14.84
Potassium-40	4.94E-08 µCi/mL	7	0.00	0.00	2	0.00	0.00
Promethium-144	3.83E-09 µCi/mL	8	0.00	0.00	1	0.00	0.00
Radium, total alpha-emitting	1.37E-09 µCi/mL	8	3.14	2.00	2	0.00	0.00
Radium-226	9.31E-10 µCi/mL	8	4.35	2.90	1	64.79	64.79
Radium-228	1.18E-09 µCi/mL	6	0.00	0.00	1	33.43	30.00
Ruthenium-106	3.52E-08 µCi/mL	7	0.00	0.00	2	0.00	0.00
Strontium-89/90	2.11E-09 µCi/mL	4	<b>31.17</b>	20.12	0	-	-
Strontium-90	2.25E-09 µCi/mL	8	1.84	1.84	4	0.00	0.00
Technetium-99	1.18E-08 µCi/mL	5	<b>20.51</b>	10.22	1	0.00	0.00
Tritium	6.68E-07 µCi/mL	22	4.43	3.98	14	18.70	18.24
Uranium-233/234	1.82E-09 µCi/mL	5	0.98	0.98	1	0.00	0.00
Uranium-235	9.62E-10 µCi/mL	4	5.64	3.43	1	0.00	0.00
Uranium-238	1.38E-09 µCi/mL	5	3.28	3.28	1	0.00	0.00
Zinc-65	8.06E-09 µCi/mL	7	11.92	6.14	2	0.00	0.00

- No replicate or duplicate analyses could be calculated.

Note: An MRD of 0.00 indicates no difference between any of the pairs of results used in calculating the MRD. MRD results greater than or equal to 20 appear in bold.

**Table 24. Intralaboratory MRD Indices for TM**

Analyte	RDL	<u>In-house Duplicates</u>			<u>Blind Replicates</u>		
		Number of Dup. Pairs	MRD	MRDadj	Number of Dup. Pairs	MRD	MRDadj
Actinium-228	2.637E-08 µCi/mL	2	0.00	0.00	0	-	-
Gross alpha	1.62E-09 µCi/mL	48	7.17	4.35	8	7.06	3.50
Iodine-129	1.072E-08 µCi/mL	1	0.00	0.00	0	-	-
Nonvolatile beta	2.09E-09 µCi/mL	46	16.56	9.41	6	0.00	0.00
Potassium-40	6.072E-08 µCi/mL	2	0.00	0.00	0	-	-
Promethium-144	6.55E-09 µCi/mL	2	0.00	0.00	0	-	-
Radium, total alpha-emitting	9.0E-10 µCi/mL	3	<b>42.03</b>	24.00	1	<b>48.75</b>	35.67
Radium-226	†	1	18.68	18.68	0	-	-
Radium-228	†	1	18.10	18.10	0	-	-
Ruthenium-106	5.714E-08 µCi/mL	2	0.00	0.00	0	-	-
Strontium-90	2.69E-09 µCi/mL	3	15.50	12.64	0	-	-
Technetium-99	1.412E-08 µCi/mL	1	0.00	0.00	0	-	-

### Quality Control Samples

Analyte	RDL	<u>In-house Duplicates</u>			<u>Blind Replicates</u>		
		Number of Dup. Pairs	MRD	MRDadj	Number of Dup. Pairs	MRD	MRDadj
Tritium	5.6E-07 µCi/mL	54	5.83	5.53	5	4.32	3.60
Zinc-65	1.39E-08 µCi/mL	2	0.00	0.00	0	-	-

† No detection limit, or no replicate or duplicate results below detection limit.

- No replicate or duplicate analyses could be calculated.

Note: An MRD of 0.00 indicates no difference between any of the pairs of results used in calculating the MRD. MRD results greater than or equal to 20 appear in **bold**.

**Table 25. Interlaboratory MRD and t-test Results for Analytes with at Least One Pair of Results above the RDL for EX and WA**

Analyte	RDL	Unit	MRD	t-test Probability
Acetone	50.0	µg/L	6.44	.423
Aluminum	200	µg/L	5.08	.363
Arsenic	40.0	µg/L	<b>0.00</b>	-
Barium	10.0	µg/L	3.95	.423
Boron	266	µg/L	4.02	.423
Calcium	471	µg/L	6.99	-
Carbon tetrachloride	50.0	µg/L	<b>0.00</b>	-
Chemical oxygen demand	32,700	µg/L	<b>0.00</b>	-
Chloride	200	µg/L	1.71	-
Chloroethene	100	µg/L	<b>0.00</b>	-
Chloroform	50.0	µg/L	<b>0.00</b>	-
Chromium	10.0	µg/L	<b>0.00</b>	-
1,4-Dichlorobenzene	20.0	µg/L	7.66	.500
Dichlorodifluoromethane	25.0	µg/L	<b>29.21</b>	.500
1,1-Dichloroethane	50.0	µg/L	2.18	.941
cis-1,2-Dichloroethylene	5.0	µg/L	<b>0.00</b>	-
Ethylbenzene	50.0	µg/L	<b>0.00</b>	-
Iron	200	µg/L	11.97	.354
Manganese	10.0	µg/L	19.56	.444
Methyl ethyl ketone	50.0	µg/L	13.56	.423
Methyl isobutyl ketone	50.0	µg/L	4.86	.423
Nitrate as nitrogen	100	µg/L	12.28	.213
Nitrate-nitrite as nitrogen	500	µg/L	2.97	-
Potassium	5,000	µg/L	<b>0.00</b>	-
Sulfate	200	µg/L	8.84	-
Tetrachloroethylene	25.0	µg/L	0.23	.351
Toluene	50.0	µg/L	<b>0.00</b>	-
Total organic carbon	1,000	µg/L	5.23	-
Trichloroethylene	5.0	µg/L	<b>22.93</b>	.567
Xylenes	25.0	µg/L	0.94	.423

- Could not calculate because there are no differences between pairs.

Note: Values less than .050 indicate a probability of less than 1 in 20 that the results for that analyte are the same from both laboratories. MRD results greater than or equal to 20 appear in **bold**; less than or equal to .050, in **bold italic**.

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**Table 26. Interlaboratory MRD and t-test Results for Analytes with at Least One Pair of Results above the RDL for GE and WA**

Analyte	RDL	Unit	MRD	t-test Probability
Alkalinity (as CaCO <sub>3</sub> )	13,400	µg/L	2.19	.500
Aluminum	146	µg/L	10.34	.313
Calcium	471	µg/L	<b>20.47</b>	.163
Chloroform	5.0	µg/L	<b>0.00</b>	-
1,1-Dichloroethane	5.0	µg/L	<b>0.00</b>	-
1,2-Dichloroethylene	40.0	µg/L	<b>0.00</b>	-
trans-1,2-Dichloroethylene	5.0	µg/L	<b>0.00</b>	-
Iron	74.0	µg/L	<b>26.71</b>	.238
Lithium	3.0	µg/L	3.48	.500
Manganese	7.8	µg/L	7.89	.429
Methyl ethyl ketone	200	µg/L	<b>0.00</b>	-
Nitrate-nitrite as nitrogen	50.0	µg/L	6.10	.743
Potassium	187	µg/L	4.87	.354
Tetrachloroethylene	5.0	µg/L	11.58	.391
Toluene	25.0	µg/L	<b>0.00</b>	-
Total dissolved solids	50,000	µg/L	<b>27.74</b>	.500
Total organic carbon	5,000	µg/L	<b>0.00</b>	-
Total organic halogens	120	µg/L	11.86	.500
Trichloroethylene	5.0	µg/L	4.22	.607
Zinc	53.0	µg/L	2.79	.391

- Could not calculate because there are no differences between pairs.

Note: Values less than .050 indicate a probability of less than 1 in 20 that the results for that analyte are the same from both laboratories. MRD results greater than or equal to 20 appear in **bold**; less than or equal to .050, in **bold italic**.

**Table 27. Interlaboratory MRD and t-test Results for Analytes with at Least One Pair of Results above the RDL for GP and TM**

Analyte	RDL	Unit	MRD	t-test Probability
Actinium-228	1.99E-08	µCi/mL	<b>0.00</b>	-
Gross alpha	1.52E-09	µCi/mL	6.23	.880
Iodine-129	8.55E-09	µCi/mL	<b>0.00</b>	-
Nonvolatile beta	2.05E-09	µCi/mL	<b>24.62</b>	.040
Potassium-40	5.784E-08	µCi/mL	<b>0.00</b>	-
Promethium-144	5.0E-09	µCi/mL	<b>0.00</b>	-
Radium, total alpha-emitting	1.37E-09	µCi/mL	<b>23.55</b>	.234
Radium-226	9.31E-10	µCi/mL	<b>63.42</b>	-
Radium-228	1.18E-09	µCi/mL	18.63	-
Ruthenium-106	4.246E-08	µCi/mL	<b>0.00</b>	-
Strontium-90	2.44E-09	µCi/mL	<b>33.30</b>	.423
Technetium-99	1.412E-08	µCi/mL	<b>0.00</b>	-

Analyte	RDL	Unit	MRD	t-test Probability
Tritium	6.59E-07	μCi/mL	<b>23.27</b>	.438
Zinc-65	1.035E-08	μCi/mL	<b>0.00</b>	-

- † No detection limit, or no replicate or duplicate results below detection limit.  
 - Could not calculate because there are no differences between pairs.

Note: Values less than .050 indicate a probability of less than 1 in 20 that the results for that analyte are the same from both laboratories. MRD results greater than or equal to 20 appear in **bold**; less than or equal to .050, in **bold italic**.

**Table 28. EX Samples and Blind Replicates Yielding Results Where One Is More Than Twice Another**

Analyte	Wells
Trichloroethylene	XSB 4D

**Table 29. EX Samples and Laboratory Duplicates Yielding Results Where One Is More Than Twice Another**

Analyte	Wells
cis-1,2-Dichloroethylene	TIR 1U
Trichloroethylene	TIR 1U

**Table 30. WA Samples and Blind Replicates Yielding Results Where One Is More Than Twice Another**

Analyte	Wells
Total dissolved solids	BGO 14AR

**Table 31. WA Samples and Laboratory Duplicates Yielding Results Where One Is More Than Twice Another**

Analyte	Wells
Methyl ethyl ketone	LFW 61D

**Quality Control Samples**

**Table 32. GP Samples and Blind Replicates Yielding Results Where One Is More Than Twice Another**

Analyte	Wells
Nonvolatile beta Tritium	FSB 98AR, HSB118A FSB 78B

**Table 33. GP Samples and Laboratory Duplicates Yielding Results Where One Is More Than Twice Another**

Analyte	Wells
Iodine-129 Zinc-65	FIN 2TK FEX 1TK

**Table 34. TM Samples and Laboratory Duplicates Yielding Results Where One Is More Than Twice Another**

Analyte	Wells
Nonvolatile beta	FSB 98AR, HSB127C

**Table 35. Analytes with One Laboratory's Result Greater Than Twice the Result from the Other Laboratory between EX and WA**

Analyte	Wells
Manganese Trichloroethylene	P 26B XSB 4D

**Table 36. Analytes with One Laboratory's Result Greater Than Twice the Result from the Other Laboratory between GE and WA**

Analyte	Wells
Iron	BGO 15D, KCB 3

**Table 37. Analytes with One Laboratory's Result Greater Than Twice the Result from the Other Laboratory between GP and TM**

Analyte	Wells
Nonvolatile beta Strontium-90 Tritium	FSB 78B, HSB118A, HSB127C, HSB131C BGO 14AR BGO 20C, FSB 76A

**Quality Control Samples**

**Table 38. Quality Control Standards for Selected Analyses for EX**

Analyte	Certified Value	Performance Acceptance Limits	EX Result	Functional Guideline Code
<b>Acids (Lot 587)</b>				
m/p-Cresol (3/4-Methylphenol) (µg/L)	59.1	18.1–68.5	37.6	
o-Cresol (2-Methylphenol) (µg/L)	67.2	21.4–77.8	35.5	
2,4-Dimethyl phenol (µg/L)	41.0	12.5–50.5	26.9	
Pentachlorophenol (µg/L)	121	37.6–152	63.3	
Phenol (µg/L)	30.4	7.71–37.6	16.3	
2,4,5-Trichlorophenol (µg/L)	191	75.3–221	105	
2,4,6-Trichlorophenol (µg/L)	85.7	37.0–98.2	50.3	
<b>Base/Neutrals (Lot 585)</b>				
Acenaphthene (µg/L)	65.7	29.8–72.4	42.3	
Acenaphthylene (µg/L)	12.4	5.31–14.6	8.42	J
Anthracene (µg/L)	141	66.5–164	93.9	
Bis(2-chloroethyl) ether (µg/L)	161	55.0–188	89.7	
Bis(2-ethylhexyl) phthalate (µg/L)	29.6	11.9–37.8	23.9	
Butylbenzyl phthalate (µg/L)	175	66.2–195	63.7◆	
Chrysene (µg/L)	20.7	9.57–25.4	14.2	
Dibenzofuran (µg/L)	79.2	37.7–87.8	49.6	
1,2-Dichlorobenzene (µg/L)	157	36.7–179	80.5	
1,3-Dichlorobenzene (µg/L)	19.7	4.59–23.3	11.3	
Di-n-butyl phthalate (µg/L)	111	44.8–140	39.9◆	
2,4-Dinitrotoluene (µg/L)	125	52.3–144	75.9	
Fluoranthene	28.1	13.1–35.0	20.4	
Naphthalene (µg/L)	59.9	21.2–68.3	37.1	
Pyrene (µg/L)	66.4	31.0–80.7	53.6	
1,2,4-Trichlorobenzene (µg/L)	66.8	19.5–75.8	39.1	
<b>Cations (Lot 435)</b>				
Calcium (µg/L)	19,500	17,600–21,500	19,800	
Magnesium (µg/L)	15,900	14,200–17,600	16,500	
Potassium (µg/L)	28,200	25,700–30,700	29,700	
Sodium (µg/L)	22,300	19,600–25,000	24,800	
<b>Cyanide and Phenol (Lot 9980)</b>				
Cyanide, total (µg/L)	329	240–418	315	
Phenol (µg/L)	282	214–350	303	
<b>Grease and Oil (Lot 9985)</b>				
Grease and oil (gravimetric) (mg/bottle)	25.3	15.2–31.6	617◆	
<b>Inorganics (Lot 13028)</b>				
Alkalinity (as CaCO <sub>3</sub> ) (µg/L)	175,000	163,000–197,000	192,000	
Chloride (µg/L)	91,000	80,900–103,000	89,300	
Fluoride (µg/L)	7,080	6,370–7,790	6,560	
Nitrate as nitrogen (µg/L)	2,150	1,940–2,370	2,150	
pH (pH units)	9.12	8.92–9.32	9.11	
Potassium (µg/L)	20,600	17,700–24,000	22,600	
Sodium (µg/L)	193,000	174,000–214,000	222,000◆	
Specific conductance (µS/cm)	904	756–1,030	916	
Sulfate (µg/L)	113,000	96,800–128,000	112,000	
Total dissolved solids (µg/L)	769,000	630,000–861,000	750,000	

**Quality Control Samples**

<i>Analyte</i>	<i>Certified Value</i>	<i>Performance Acceptance Limits</i>	<i>EX Result</i>	<i>Functional Guideline Code</i>
<b>Nutrients (Lot 9980)</b>				
Ammonia as nitrogen (µg/L)	6,290	5,280–7,300	6,500	
Nitrate-nitrite as nitrogen (µg/L)	2,220	1,980–2,460	2,230	
Total phosphates (as P) (µg/L)	7,970	6,770–9,170	8,090	
<b>PCBs (Lot 574)</b>				
PCB 1248 (µg/L)	1.02	0.545–1.27	0.720	
<b>Pesticides (Lot 580)</b>				
Aldrin (µg/L)	6.09	3.16–7.50	5.10	
alpha-Benzene hexachloride (µg/L)	3.12	1.74–3.97	2.40	
beta-Benzene hexachloride (µg/L)	2.20	1.17–2.78	2.00	
alpha-Chlordane (µg/L)	3.34	2.02–4.14	3.00	
gamma-Chlordane (µg/L)	1.12	0.780–1.34	1.10	
4,4'-DDD (µg/L)	5.71	3.51–7.41	6.00	
4,4'-DDE (µg/L)	1.90	1.11–2.38	1.80	
4,4'-DDT (µg/L)	6.82	3.96–8.57	6.50	
Dieldrin (µg/L)	3.44	2.13–4.45	3.40	
Endrin (µg/L)	0.453	0.284–0.585	0.520	J
Heptachlor (µg/L)	2.51	1.14–3.11	1.90	
Heptachlor epoxide (µg/L)	4.36	2.69–5.33	4.10	
Methoxychlor (µg/L)	7.10	4.05–9.56	7.70	
<b>Pesticides/Herbicides (Lot 21028)</b>				
2-sec-Butyl-4,6-dinitrophenol (µg/L)	1.47	0.482–1.90	0.300◆	J
2,4-Dichlorophenoxyacetic acid (µg/L)	4.85	2.43–7.28	4.60	
2,4,5-TP (Silvex) (µg/L)	1.22	0.610–1.83	1.50	
<b>Total Petroleum Hydrocarbons (Lot 8913)</b>				
Total petroleum hydrocarbons, infrared (mg/bottle)	139	88.6–181	187◆	
<b>Toxaphene (Lot 3214)</b>				
Toxaphene (µg/L)	6.15	3.38–8.92	6.60	
<b>Trace Metals (Lot 9983)</b>				
Aluminum (µg/L)	500	410–590	556	
Antimony (µg/L)	77.8	58.4–97.3	66.0	J
Arsenic (µg/L)	133	99.8–157	128	
Barium (µg/L)	778	638–918	838	
Beryllium (µg/L)	122	100–144	127	
Boron (µg/L)	410	336–513	501	
Cadmium (µg/L)	62.2	51.0–73.4	58.3	
Chromium (µg/L)	611	501–721	653	
Cobalt (µg/L)	322	264–380	354	
Copper (µg/L)	133	109–157	142	
Iron (µg/L)	733	601–865	785	
Lead (µg/L)	211	173–249	206	
Manganese (µg/L)	644	528–760	668	
Mercury (µg/L)	4.67	3.50–5.84	4.35	
Molybdenum (µg/L)	351	288–414	356	
Nickel (µg/L)	249	204–294	263	
Selenium (µg/L)	66.7	50.0–78.7	63.8	
Silver (µg/L)	88.9	72.9–105	90.7	
Strontium (µg/L)	789	647–931	830	

**Quality Control Samples**

Analyte	Certified Value	Performance Acceptance Limits	EX Result	Functional Guideline Code
Thallium (µg/L)	54.4	40.8–68.0	52.0	
Vanadium (µg/L)	356	292–420	374	
Zinc (µg/L)	606	497–715	612	
<b>Turbidity (Lot 3427)</b>				
Turbidity (NTU)	3.36	2.86–3.93	3.60	
<b>Volatiles (Lot 581)</b>				
Acetone (µg/L)	150	75.2–233	100	
Benzene (µg/L)	50.0	38.7–62.3	50.0	
Bromodichloromethane (µg/L)	60.0	46.1–74.8	67.0	
Bromoform (µg/L)	85.1	62.2–110	87.0	
Carbon tetrachloride (µg/L)	94.5	69.4–118	97.0	
Chlorobenzene (µg/L)	20.1	15.7–24.1	21.0	
Chloroform (µg/L)	75.5	58.0–92.3	75.0	
Dibromochloromethane (µg/L)	67.3	52.4–83.0	68.0	
1,2-Dichlorobenzene (µg/L)	21.5	16.3–26.4	22.0	
1,3-Dichlorobenzene (µg/L)	119	91.0–143	120	
1,4-Dichlorobenzene (µg/L)	41.8	31.4–50.9	45.0	
1,2-Dichloroethane (µg/L)	47.9	37.4–60.2	47.0	
1,1-Dichloroethylene (µg/L)	100	65.5–127	104	
Dichloromethane (methylene chloride) (µg/L)	65.3	46.2–85.1	61.0	
Ethylbenzene (µg/L)	15.3	11.4–17.9	16.0	
4-Methyl-2-pentanone (MIBK) (µg/L)	89.9	52.0–123	78.0	
Styrene (µg/L)	24.9	17.3–30.3	25.0	
Tetrachloroethylene (µg/L)	110	81.2–133	115	
Toluene (µg/L)	62.8	48.4–75.8	67.0	
1,1,1-Trichloroethane (µg/L)	40.0	28.9–47.7	41.0	
Trichloroethylene (µg/L)	19.4	14.4–23.5	20.0	
m/p-Xylene (µg/L)	36.6	23.7–46.1	40.0	

◆ Result is out of range.

J The analytical result is an estimated quantity.

**Table 39. Quality Control Standards for Selected Analyses for GE**

Analyte	Certified Value	Performance Acceptance Limits	GE Result	Functional Guideline Code
<b>Acids (Lot 587)</b>				
m/p-Cresol (3/4-Methylphenol) (µg/L)	59.1	18.1–68.5	32.5	
o-Cresol (2-Methylphenol) (µg/L)	67.2	21.4–77.8	38.1	
2,4-Dimethyl phenol (µg/L)	41.0	12.5–50.5	27.6	
Pentachlorophenol (µg/L)	121	37.6–152	104	
Phenol (µg/L)	30.4	7.71–37.6	7.60◆	J
2,4,5-Trichlorophenol (µg/L)	191	75.3–221	110	
2,4,6-Trichlorophenol (µg/L)	85.7	37.0–98.2	56.2	
<b>Base/Neutrals (Lot 585)</b>				
Acenaphthene (µg/L)	65.7	29.8–72.4	47.4	
Acenaphthylene (µg/L)	12.4	5.31–14.6	9.80	J
Anthracene (µg/L)	141	66.5–164	117	
Bis(2-chloroethyl) ether (µg/L)	161	55.0–188	91.7	
Bis(2-ethylhexyl) phthalate (µg/L)	29.6	11.9–37.8	25.6	

**Quality Control Samples**

<i>Analyte</i>	<i>Certified Value</i>	<i>Performance Acceptance Limits</i>	<i>GE Result</i>	<i>Functional Guideline Code</i>
Butylbenzyl phthlate (µg/L)	175	66.2–195	138	
Chrysene (µg/L)	20.7	9.57–25.4	16.9	
Dibenzofuran (µg/L)	79.2	37.7–87.8	57.6	
1,2-Dichlorobenzene (µg/L)	157	36.7–179	90.6	
1,3-Dichlorobenzene (µg/L)	19.7	4.59–23.3	10.7	
Di-n-butylphthlate (µg/L)	111	44.8–140	90.0	
2,4-Dinitrotoluene (µg/L)	125	52.3–144	92.8	
Fluoranthene	28.1	13.1–35.0	26.8	
Naphthalene (µg/L)	59.9	21.1–68.3	36.2	
Pyrene (µg/L)	66.4	31.0–80.7	51.2	
1,2,4-Trichlorobenzene (µg/L)	66.8	19.5–75.8	39.3	
<b>Cations (Lot 435)</b>				
Calcium (µg/L)	19,500	17,600–21,500	19,000	
Magnesium (µg/L)	15,900	14,200–17,600	14,900	
Potassium (µg/L)	28,200	25,700–30,700	27,500	
Sodium (µg/L)	22,300	19,600–25,000	22,500	
<b>Cyanide and Phenol (Lot 9980)</b>				
Cyanide, total (µg/L)	329	240–418	286	
Phenol (µg/L)	282	214–350	254	
<b>Grease and Oil (Lot 9985)</b>				
Grease and oil (gravimetric) (mg/bottle)	25.3	15.2–31.6	26.0	
<b>Inorganics (Lot 13028)</b>				
Alkalinity (as CaCO <sub>3</sub> ) (µg/L)	175,000	163,000–197,000	174,000	
Chloride (µg/L)	91,000	80,900–103,000	89,200	
Fluoride (µg/L)	7,080	6,370–7,790	6,960	
Nitrate as nitrogen (µg/L)	2,150	1,940–2,370	1,960	
pH (pH units)	9.12	8.92–9.32	9.30	
Potassium (µg/L)	20,600	17,700–24,000	20,700	
Sodium (µg/L)	193,000	174,000–214,000	189,000	
Specific conductance (µS/cm)	904	756–1,030	1,030	
Sulfate (µg/L)	113,000	96,800–128,000	107,000	
Total dissolved solids (µg/L)	769,000	630,000–861,000	704,000	
<b>Nutrients (Lot 9980)</b>				
Ammonia as nitrogen (µg/L)	6,290	5,280–7,300	6,000	
Nitrate-nitrite as nitrogen (µg/L)	2,220	1,980–2,460	2,260	
Total phosphates (as P) (µg/L)	7,970	6,770–9,170	8,820	
<b>PCBs (Lot 574)</b>				
PCB 1248 (µg/L)	1.02	0.545–1.27	0.820	
<b>Pesticides (Lot 580)</b>				
Aldrin (µg/L)	6.09	3.16–7.50	5.16	
alpha-Benzene hexachloride (µg/L)	3.12	1.74–3.97	2.54	
beta-Benzene hexachloride (µg/L)	2.20	1.17–2.78	1.99	
alpha-Chlordane (µg/L)	3.34	2.02–4.14	3.10	
gamma-Chlordane (µg/L)	1.12	0.780–1.34	1.10	
4,4'-DDD (µg/L)	5.71	3.51–7.41	5.60	
4,4'-DDE (µg/L)	1.90	1.11–2.38	1.94	
4,4'-DDT (µg/L)	6.82	3.96–8.57	6.58	
Dieldrin (µg/L)	3.44	2.13–4.45	3.08	
Endrin (µg/L)	0.453	0.284–0.585	0.520	
Heptachlor (µg/L)	2.51	1.14–3.11	2.22	

### Quality Control Samples

<i>Analyte</i>	<i>Certified Value</i>	<i>Performance Acceptance Limits</i>	<i>GE Result</i>	<i>Functional Guideline Code</i>
Heptachlor epoxide (µg/L)	4.36	2.69–5.33	3.94	
Methoxychlor (µg/L)	7.10	4.05–9.56	7.91	
<b>Pesticides/Herbicides (Lot 21028)</b>				
2-sec-Butyl-4,6-dinitrophenol (µg/L)	1.47	0.482–1.90	0.504	
2,4-Dichlorophenoxyacetic acid (µg/L)	4.85	2.43–7.28	5.20	
2,4,5-TP (Silvex) (µg/L)	1.22	0.610–1.83	1.05	
<b>Total Petroleum Hydrocarbons (Lot 8913)</b>				
Total petroleum hydrocarbons, infrared (mg/bottle)	139	88.6–181	129	
<b>Toxaphene (Lot 3214)</b>				
Toxaphene (µg/L)	6.15	3.38–8.92	5.09	
<b>Trace Metals (Lot 9983)</b>				
Aluminum (µg/L)	500	410–590	539	
Antimony (µg/L)	77.8	58.4–97.3	75.9	
Arsenic (µg/L)	133	99.8–157	135	
Barium (µg/L)	778	638–918	770	
Beryllium (µg/L)	122	100–144	121	
Boron (µg/L)	410	336–513	443	
Cadmium (µg/L)	62.2	51.0–73.4	62.0	
Chromium (µg/L)	611	501–721	604	
Cobalt (µg/L)	322	264–380	337	
Copper (µg/L)	133	109–157	132	
Iron (µg/L)	733	601–865	703	
Lead (µg/L)	211	173–249	207	
Manganese (µg/L)	644	528–760	635	
Mercury (µg/L)	4.67	3.50–5.84	4.50	
Molybdenum (µg/L)	351	288–414	348	
Nickel (µg/L)	249	204–294	253	
Selenium (µg/L)	66.7	50.0–78.7	68.1	
Silver (µg/L)	88.9	72.9–105	81.3	
Strontium (µg/L)	789	647–931	758	
Thallium (µg/L)	54.4	40.8–68.0	55.1	
Vanadium (µg/L)	356	292–420	357	
Zinc (µg/L)	606	497–715	610	
<b>Turbidity (Lot 3427)</b>				
Turbidity (NTU)	3.36	2.86–3.93	3.35	
<b>Volatiles (Lot 581)</b>				
Acetone (µg/L)	150	75.2–233	63.6◆	
Benzene (µg/L)	50.0	38.7–62.3	51.6	
Bromodichloromethane (µg/L)	60.0	46.1–74.8	59.7	
Bromoform (µg/L)	85.1	62.2–110	95.7	
Carbon tetrachloride (µg/L)	94.5	69.4–118	97.8	
Chlorobenzene (µg/L)	20.1	15.7–24.1	20.0	
Chloroform (µg/L)	75.5	58.0–92.3	73.0	
Dibromochloromethane (µg/L)	67.3	52.4–83.0	65.4	
1,2-Dichlorobenzene (µg/L)	21.5	16.3–26.4	20.8	
1,3-Dichlorobenzene (µg/L)	119	91.0–143	128	
1,4-Dichlorobenzene (µg/L)	41.8	31.4–50.9	42.6	
1,2-Dichloroethane (µg/L)	47.9	37.4–60.2	46.6	
1,1-Dichloroethylene (µg/L)	100	65.5–127	118	
Dichloromethane (methylene chloride) (µg/L)	65.3	46.2–85.1	69.4	
Ethylbenzene (µg/L)	15.3	11.4–17.9	13.7	

**Quality Control Samples**

Analyte	Certified Value	Performance Acceptance Limits	GE Result	Functional Guideline Code
4-Methyl-2-pentanone (MIBK) (µg/L)	89.9	52.0–123	79.7	
Styrene (µg/L)	24.9	17.3–30.3	21.3	
Tetrachloroethylene (µg/L)	110	81.2–133	115	
Toluene (µg/L)	62.8	48.4–75.8	63.3	
1,1,1-Trichloroethane (µg/L)	40.0	28.9–47.7	42.2	
Trichloroethylene (µg/L)	19.4	14.4–23.5	17.1	
m/p-Xylene (µg/L)	36.6	23.7–46.1	33.9	

◆ Result is out of range.

J The analytical result is an estimated quantity.

**Table 40. Quality Control Standards for Selected Analyses for WA**

Analyte	Certified Value	Performance Acceptance Limits	WA Result	Functional Guideline Code
<b>Acids (Lot 587)</b>				
m/p-Cresol (3/4-Methylphenol) (µg/L)	59.1	18.1–68.5	47.4	
o-Cresol (2-Methylphenol) (µg/L)	67.2	21.4–77.8	48.6	
2,4-Dimethyl phenol (µg/L)	41.0	12.5–50.5	28.0	
Pentachlorophenol (µg/L)	121	37.6–152	23.4◆	J
Phenol (µg/L)	30.4	7.71–37.6	22.8	
2,4,5-Trichlorophenol (µg/L)	191	75.3–221	151	
2,4,6-Trichlorophenol (µg/L)	85.7	37.0–98.2	64.9	
<b>Base/Neutrals (Lot 585)</b>				
Acenaphthene (µg/L)	65.7	29.8–72.4	45.3	
Acenaphthylene (µg/L)	12.4	5.31–14.6	8.28	J
Anthracene (µg/L)	141	66.5–164	115	
Bis(2-chloroethyl) ether (µg/L)	161	55.0–188	104	
Bis(2-ethylhexyl) phthalate (µg/L)	29.6	11.9–37.8	24.5	
Butylbenzylphthalate (µg/L)	175	66.2–195	121	
Chrysene (µg/L)	20.7	9.57–25.4	15.5	
Dibenzofuran (µg/L)	79.2	37.7–87.8	53.4	
1,2-Dichlorobenzene (µg/L)	157	36.7–179	82.5	
1,3-Dichlorobenzene (µg/L)	19.7	4.59–23.3	9.11	J
Di-n-butyl phthalate (µg/L)	111	44.8–140	78.3	
2,4-Dinitrotoluene (µg/L)	125	52.3–144	84.4	
Fluoranthene	28.1	13.1–35.0	18.3	
Naphthalene (µg/L)	59.9	21.1–68.3	36.1	
Pyrene (µg/L)	66.4	31.0–80.7	51.6	
1,2,4-Trichlorobenzene (µg/L)	66.8	19.5–75.8	43.3	
<b>Cations (Lot 435)</b>				
Calcium (µg/L)	19,500	17,600–21,500	20,000	
Magnesium (µg/L)	15,900	14,200–17,600	16,000	
Potassium (µg/L)	28,200	25,700–30,700	28,500	
Sodium (µg/L)	22,300	19,600–25,000	21,700	
<b>Cyanide and Phenol (Lot 9980)</b>				
Cyanide, total (µg/L)	329	240–418	315	
Phenol (µg/L)	282	214–350	275	

**Quality Control Samples**

<i>Analyte</i>	<i>Certified Value</i>	<i>Performance Acceptance Limits</i>	<i>WA Result</i>	<i>Functional Guideline Code</i>
<b>Grease and Oil (Lot 9985)</b>				
Grease and oil (gravimetric) (mg/bottle)	25.3	15.2–31.6	20.6	
<b>Inorganics (Lot 13028)</b>				
Alkalinity (as CaCO <sub>3</sub> ) (µg/L)	175,000	163,000–197,000	178,000	
Chloride (µg/L)	91,000	80,900–103,000	91,400	
Fluoride (µg/L)	7,080	6,370–7,790	5,970◆	
Nitrate as nitrogen (µg/L)	2,150	1,940–2,370	2,100	
pH (pH units)	9.12	8.92–9.32	9.15	
Potassium (µg/L)	20,600	17,700–24,000	24,100◆	
Sodium (µg/L)	193,000	174,000–214,000	182,000	
Specific conductance (µS/cm)	904	756–1,030	872	
Sulfate (µg/L)	113,000	96,800–128,000	112,000	
Total dissolved solids (µg/L)	769,000	630,000–861,000	729,000	
<b>Nutrients (Lot 9980)</b>				
Ammonia as nitrogen (µg/L)	6,290	5,280–7,300	6,450	
Nitrate-nitrite as nitrogen (µg/L)	2,220	1,980–2,460	2,160	
Total phosphates (as P) (µg/L)	7,970	6,770–9,170	7,980	
<b>PCBs (Lot 574)</b>				
PCB 1248 (µg/L)	1.02	0.545–1.27	1.35◆	
<b>Pesticides (Lot 580)</b>				
Aldrin (µg/L)	6.09	3.16–7.50	<0.100◆	
alpha-Benzene hexachloride (µg/L)	3.12	1.74–3.97	<0.050◆	
beta-Benzene hexachloride (µg/L)	2.20	1.17–2.78	<0.050◆	
alpha-Chlordane (µg/L)	3.34	2.02–4.14	<0.050◆	
gamma-Chlordane (µg/L)	1.12	0.780–1.34	1.11	
4,4'-DDD (µg/L)	5.71	3.51–7.41	<0.100◆	
4,4'-DDE (µg/L)	1.90	1.11–2.38	2.03	
4,4'-DDT (µg/L)	6.82	3.96–8.57	<0.100◆	
Dieldrin (µg/L)	3.44	2.13–4.45	<0.100◆	
Endrin (µg/L)	0.453	0.284–0.585	0.650◆	
Heptachlor (µg/L)	2.51	1.14–3.11	<0.050◆	
Heptachlor epoxide (µg/L)	4.36	2.69–5.33	<0.050◆	
Methoxychlor (µg/L)	7.10	4.05–9.56	7.86	
<b>Pesticides/Herbicides (Lot 21028)</b>				
2-sec-Butyl-4,6-dinitrophenol (µg/L)	1.47	0.482–1.90	1.28	
2,4-Dichlorophenoxyacetic acid (µg/L)	4.85	2.43–7.28	5.59	
2,4,5-TP (Silvex) (µg/L)	1.22	0.610–1.83	1.12	
<b>Total Petroleum Hydrocarbons (Lot 8913)</b>				
Total petroleum hydrocarbons, infrared (mg/bottle)	139	88.6–181	140	J
<b>Toxaphene (Lot 3214)</b>				
Toxaphene (µg/L)	6.15	3.38–8.92	<10.0❖	

**Quality Control Samples**

Analyte	Certified Value	Performance Acceptance Limits	WA Result	Functional Guideline Code
<b>Trace Metals (Lot 9983)</b>				
Aluminum (µg/L)	500	410-590	555	
Antimony (µg/L)	77.8	58.4-97.3	76.2	
Arsenic (µg/L)	133	99.8-157	135	
Barium (µg/L)	778	638-918	769	
Beryllium (µg/L)	122	100-144	123	
Boron (µg/L)	410	336-513	444	
Cadmium (µg/L)	62.2	51.0-73.4	63.6	
Chromium (µg/L)	611	501-721	616	
Cobalt (µg/L)	322	264-380	341	
Copper (µg/L)	133	109-157	133	
Iron (µg/L)	733	601-865	740	
Lead (µg/L)	211	173-249	216	
Manganese (µg/L)	644	528-760	660	
Mercury (µg/L)	4.67	3.50-5.84	4.70	
Molybdenum (µg/L)	351	288-414	360	
Nickel (µg/L)	249	204-294	257	
Selenium (µg/L)	66.7	50.0-78.7	71.9	
Silver (µg/L)	88.9	72.9-105	88.3	
Strontium (µg/L)	789	647-931	761	
Thallium (µg/L)	54.4	40.8-68.0	56.6	
Vanadium (µg/L)	356	292-420	360	
Zinc (µg/L)	606	497-715	612	
<b>Turbidity (Lot 3427)</b>				
Turbidity (NTU)	3.36	2.86-3.93	3.22	
<b>Volatiles (Lot 581)</b>				
Acetone (µg/L)	150	75.2-233	122	
Benzene (µg/L)	50.0	38.7-62.3	51.0	
Bromodichloromethane (µg/L)	60.0	46.1-74.8	56.2	
Bromoform (µg/L)	85.1	62.2-110	83.2	
Carbon tetrachloride (µg/L)	94.5	69.4-118	90.0	
Chlorobenzene (µg/L)	20.1	15.7-24.1	19.2	
Chloroform (µg/L)	75.5	58.0-92.3	70.3	
Dibromochloromethane (µg/L)	67.3	52.4-83.0	62.1	
1,2-Dichlorobenzene (µg/L)	21.5	16.3-26.4	17.8	
1,3-Dichlorobenzene (µg/L)	119	91.0-143	107	
1,4-Dichlorobenzene (µg/L)	41.8	31.4-50.9	38.7	
1,2-Dichloroethane (µg/L)	47.9	37.4-60.2	46.0	
1,1-Dichloroethylene (µg/L)	100	65.5-127	93.7	
Dichloromethane (methylene chloride) (µg/L)	65.3	46.2-85.1	52.2	
Ethylbenzene (µg/L)	15.3	11.4-17.9	12.2	
4-Methyl-2-pentanone (MIBK) (µg/L)	89.9	52.0-123	94.3	
Styrene (µg/L)	24.9	17.3-30.3	18.7	
Tetrachloroethylene (µg/L)	110	81.2-133	96.7	
Toluene (µg/L)	62.8	48.4-75.8	61.1	
1,1,1-Trichloroethane (µg/L)	40.0	28.9-47.7	36.5	
Trichloroethylene (µg/L)	19.4	14.4-23.5	16.2	
m/p-Xylene (µg/L)	36.6	23.7-46.1	33.7	

◆ Result is out of range.

❖ Not enough information to determine if result is within performance acceptance limits.

J The analytical result is an estimated quantity.

### Quality Control Samples

**Table 41. Laboratory Control Sample Recoveries for EX**

Analyte	Qualified Out of Range†	Mean Recovery (%)	Standard Deviation	Minimum Recovery (%)	Maximum Recovery (%)
<b>EPA120.1</b>					
Specific conductance	0/2	108	0.0	108	108
<b>EPA300.0</b>					
Chloride	0/2	97.5	0.71	97.0	98.0
Nitrate as nitrogen	0/14	106	2.62	100	109
Nitrate-nitrite as nitrogen	0/3	104	0.58	103	104
Sulfate	0/4	96.5	0.58	96.0	97.0
<b>EPA410.4</b>					
Chemical oxygen demand	1/3	67.3	50.7	9.0	101
<b>EPA6010B</b>					
Aluminum	0/17	106	4.18	98.0	114
Antimony	0/4	98.0	5.83	92.0	103
Arsenic	0/9	102	2.39	98.0	105
Barium	0/10	105	3.89	100	112
Beryllium	0/4	103	2.94	100	106
Boron	0/9	110	3.49	106	116
Cadmium	0/9	103	4.01	97.0	109
Calcium	0/2	108	0.71	107	108
Chromium	0/9	105	4.93	96.0	111
Cobalt	0/2	109	0.0	109	109
Copper	0/4	99.3	0.50	99.0	100
Iron	0/17	107	4.53	98.0	116
Lead	0/21	100	4.46	95.0	112
Magnesium	0/2	107	0.71	106	107
Manganese	0/11	108	2.97	104	114
Nickel	0/4	101	3.77	97.0	104
Potassium	0/2	105	0.71	104	105
Selenium	0/9	106	2.39	102	109
Silver	0/9	105	4.21	99.0	111
Sodium	0/2	102	0.0	102	102
Thallium	0/6	105	2.07	102	107
Vanadium	0/2	103	0.0	103	103
Zinc	0/4	102	3.51	98.0	105
<b>EPA7470A</b>					
Mercury	0/32	102	4.37	96.0	111
<b>EPA8021B</b>					
Carbon tetrachloride	0/14	107	9.31	92.0	123
Chloroform	0/14	108	8.55	96.0	126
cis-1,2-Dichloroethylene	0/14	109	7.95	97.0	122
Tetrachloroethylene	1/14	112	12.4	93.0	140
1,1,1-Trichloroethane	0/14	107	9.08	94.0	125
Trichloroethylene	1/14	107	10.5	90.0	128
<b>EPA8081A</b>					
Aldrin	0/2	61.5	21.9	46.0	77.0
p,p'-DDT	0/2	118	7.78	112	123
Dieldrin	0/2	91.0	17.0	79.0	103
Endrin	0/2	94.5	20.5	80.0	109
Heptachlor	0/2	64.5	21.9	49.0	80.0
Lindane	1/2	64.0	24.0	47.0	81.0
<b>EPA8082</b>					
PCB 1260	0/2	93.5	2.12	92.0	95.0

**Quality Control Samples**

<i>Analyte</i>	<i>Qualified Out of Range†</i>	<i>Mean Recovery (%)</i>	<i>Standard Deviation</i>	<i>Minimum Recovery (%)</i>	<i>Maximum Recovery (%)</i>
<b>EPA8260B</b>					
Benzene	0/40	101	6.99	88.0	115
Chlorobenzene	0/40	100	9.32	81.0	115
1,1-Dichloroethylene	0/40	100	12.0	78.0	122
Toluene	0/40	101	9.41	83.0	117
Trichloroethylene	6/40	100	14.0	68.0	122
<b>EPA8270C</b>					
Acenaphthene	0/2	82.5	3.54	80.0	85.0
4-Chloro-m-cresol	0/2	90.0	2.83	88.0	92.0
2-Chlorophenol	0/2	85.0	5.66	81.0	89.0
2,4-Dinitrotoluene	2/2	104	4.95	100	107
4-Nitrophenol	2/2	111	7.07	106	116
N-Nitrosodipropylamine	0/2	93.5	7.78	88.0	99.0
Pentachlorophenol	2/2	114	4.24	111	117
Phenol	0/2	84.0	5.66	80.0	88.0
Pyrene	0/2	90.0	4.24	87.0	93.0
1,2,4-Trichlorobenzene	0/2	77.0	7.07	72.0	82.0
<b>EPA9014</b>					
Cyanide	0/8	100	1.51	99.0	102
<b>EPA9060</b>					
Total organic carbon	0/4	103	0.58	102	103

† Number of batches qualified that exhibit poor laboratory control sample and blank spike recovery due to interference compared to the total number of batches containing laboratory control samples and blank spikes.

Note: A value of 0 is reported as 0.0.

**Table 42. Laboratory Control Sample Recoveries for GE**

<i>Analyte</i>	<i>Qualified Out of Range†</i>	<i>Mean Recovery (%)</i>	<i>Standard Deviation</i>	<i>Minimum Recovery (%)</i>	<i>Maximum Recovery (%)</i>
<b>EPA160.1</b>					
Total dissolved solids	0/2	102	0.71	101	102
<b>EPA300.0</b>					
Chloride	0/1	98.3	—	98.3	98.3
Sulfate	0/2	99.2	0.35	98.9	99.4
<b>EPA310.1</b>					
Alkalinity (as CaCO <sub>3</sub> )	0/3	99.6	3.27	95.9	102
<b>EPA353.1</b>					
Nitrate-nitrite as nitrogen	0/20	99.8	4.06	94.0	107
<b>EPA6010B</b>					
Aluminum	0/12	100	4.06	92.2	106
Antimony	0/8	102	4.99	92.7	106
Arsenic	0/8	100	5.41	91.1	106
Barium	0/8	97.9	2.58	93.3	101
Beryllium	0/10	100	3.94	93.5	105
Boron	0/2	100	1.34	99.1	101
Cadmium	0/8	98.7	4.44	91.7	105

**Quality Control Samples**

<i>Analyte</i>	<i>Qualified Out of Range†</i>	<i>Mean Recovery (%)</i>	<i>Standard Deviation</i>	<i>Minimum Recovery (%)</i>	<i>Maximum Recovery (%)</i>
Calcium	0/6	99.0	3.22	94.6	103
Chromium	0/12	100	4.34	90.7	104
Cobalt	0/6	97.6	5.35	90.8	105
Copper	0/8	98.1	3.92	91.6	102
Iron	0/12	102	3.70	94.0	106
Lead	0/8	99.8	4.14	93.3	105
Magnesium	0/6	98.8	2.23	96.1	102
Manganese	0/6	97.2	4.37	92.4	105
Nickel	0/8	101	3.70	96.1	107
Potassium	0/6	97.7	1.38	96.0	99.1
Selenium	0/8	98.5	3.50	93.0	104
Silver	0/8	103	2.03	100	105
Sodium	0/6	102	1.98	99.2	105
Thallium	0/6	101	2.55	98.1	104
Tin	0/2	104	1.41	103	105
Vanadium	0/6	98.9	2.02	96.6	102
Zinc	0/9	100	2.29	96.2	103
<b>EPA6020</b>					
Aluminum	1/18	108	7.60	99.5	131
Antimony	0/6	105	5.01	99.3	113
Arsenic	0/6	99.0	4.93	94.4	105
Barium	0/6	106	4.53	99.9	111
Beryllium	0/3	107	10.1	98.2	118
Boron	0/1	106	—	106	106
Cadmium	0/16	98.6	26.7	0.0	111
Calcium	0/2	111	4.24	108	114
Chromium	0/6	106	3.60	102	110
Cobalt	0/6	104	3.58	100	110
Copper	0/6	106	5.98	97.9	114
Iron	4/17	111	11.5	96.6	137
Lead	0/16	104	4.43	93.8	111
Lithium	0/3	107	2.08	105	109
Magnesium	0/3	109	5.13	105	115
Manganese	0/3	106	3.61	102	109
Molybdenum	0/1	103	—	103	103
Nickel	0/6	106	4.36	101	113
Potassium	0/3	106	5.63	99.4	110
Selenium	0/6	98.6	6.58	91.9	109
Silver	0/6	109	3.31	105	113
Sodium	0/3	106	5.95	98.7	109
Strontium	0/1	93.1	—	93.1	93.1
Thallium	0/6	102	4.25	97.5	108
Tin	0/4	109	5.80	103	116
Titanium	0/1	103	—	103	103
Uranium	0/1	102	—	102	102
Vanadium	0/6	101	6.42	88.7	108
Zinc	0/6	104	7.26	95.0	115
<b>EPA7196A</b>					
Chromium, hexavalent	0/3	100	7.21	94.0	108
<b>EPA7470A</b>					
Mercury	0/26	102	7.31	89.4	117
<b>EPA8081A</b>					
Aldrin	0/4	96.0	7.12	86.0	102
p,p'-DDT	0/4	106	6.59	97.9	114
Dieldrin	0/4	101	8.49	89.4	109

**Quality Control Samples**

<i>Analyte</i>	<i>Qualified Out of Ranges†</i>	<i>Mean Recovery (%)</i>	<i>Standard Deviation</i>	<i>Minimum Recovery (%)</i>	<i>Maximum Recovery (%)</i>
Endrin	1/4	116	7.94	104	122
Heptachlor	0/4	105	7.51	97.3	112
Lindane	0/4	102	6.19	94.1	108
<b>EPA8082</b>					
PCB 1260	0/5	69.0	11.4	57.0	80.0
<b>EPA8260B</b>					
Benzene	0/20	94.8	5.90	84.4	110
Chlorobenzene	0/20	97.0	5.29	83.1	105
1,1-Dichloroethylene	0/20	103	8.38	88.6	117
Toluene	0/20	94.9	5.49	80.2	105
Trichloroethylene	0/22	96.2	8.15	83.0	112
<b>EPA8270C</b>					
Acenaphthene	0/11	74.2	5.07	64.9	79.6
4-Chloro-m-cresol	0/10	82.6	6.72	73.8	94.7
2-Chlorophenol	0/10	67.9	5.36	60.9	75.3
1,4-Dichlorobenzene	0/11	59.3	7.66	50.6	71.3
2,4-Dinitrotoluene	2/11	92.1	10.1	76.8	113
4-Nitrophenol	0/10	30.6	8.86	15.5	47.7
N-Nitrosodipropylamine	0/11	78.4	10.6	61.4	92.2
Pentachlorophenol	4/10	99.2	14.7	70.7	118
Phenol	0/10	31.3	4.76	24.0	38.3
Pyrene	0/11	88.4	7.22	80.7	102
1,2,4-Trichlorobenzene	0/11	62.3	8.64	51.4	75.7
<b>EPA9012A</b>					
Cyanide	0/8	91.8	6.14	80.0	99.3
<b>EPA9020B</b>					
Total organic halogens	1/4	84.6	15.9	63.9	99.5
<b>EPA9040B</b>					
pH	0/28	99.9	0.25	99.6	101
<b>EPA9050A</b>					
Specific conductance	0/22	105	2.97	101	110
<b>EPA9060</b>					
Total organic carbon	0/2	105	0.0	105	105
<b>EPA9066</b>					
Phenols	0/6	102	3.39	98.2	107

† Number of batches qualified that exhibit poor laboratory control sample and blank spike recovery due to interference compared to the total number of batches containing laboratory control samples and blank spikes.

— Standard deviation cannot be determined.

Note: A value of 0 is reported as 0.0.

## Quality Control Samples

**Table 43. Laboratory Control Sample Recoveries for WA**

<i>Analyte</i>	<i>Qualified Out of Range†</i>	<i>Mean Recovery (%)</i>	<i>Standard Deviation</i>	<i>Minimum Recovery (%)</i>	<i>Maximum Recovery (%)</i>
<b>EPA160.1</b>					
Total dissolved solids	0/32	99.7	2.48	95.0	104
<b>EPA310.1</b>					
Alkalinity (as CaCO <sub>3</sub> )	0/12	102	3.98	98.8	110
<b>EPA340.2</b>					
Fluoride	0/8	98.9	3.26	92.9	104
<b>EPA353.2</b>					
Nitrate as nitrogen	0/6	99.3	0.81	97.8	100
Nitrate-nitrite as nitrogen	0/18	99.1	2.0	95.8	102
<b>EPA365.2</b>					
Total phosphates (as P)	0/8	99.4	1.92	96.7	102
<b>EPA410.4</b>					
Chemical oxygen demand	0/2	108	0.0	108	108
<b>EPA418.1</b>					
Total petroleum hydrocarbons	0/2	98.1	1.13	97.3	98.9
<b>EPA6010B</b>					
Aluminum	0/21	98.7	1.99	96.4	102
Antimony	0/10	97.5	1.72	95.1	100
Arsenic	0/19	98.6	1.63	96.3	101
Barium	0/17	97.3	2.63	91.8	100
Beryllium	0/4	98.9	2.10	97.8	102
Boron	0/11	94.8	1.79	92.3	97.0
Cadmium	0/18	99.3	2.63	96.8	106
Calcium	0/10	99.2	0.87	98.0	101
Chromium	0/18	99.3	1.47	97.0	102
Cobalt	0/3	98.8	3.64	96.7	103
Copper	0/10	97.8	2.38	92.7	100
Iron	0/20	100	1.79	97.2	103
Lead	0/19	98.8	2.16	96.1	103
Lithium	0/12	102	2.08	97.3	104
Magnesium	0/10	100	2.71	98.0	105
Manganese	0/14	101	1.28	99.9	103
Nickel	0/11	96.6	1.98	94.6	100
Potassium	0/10	97.8	2.62	93.9	103
Selenium	0/19	98.4	1.59	95.4	100
Silica	0/6	97.3	0.77	96.8	98.8
Silver	0/17	99.3	1.10	97.0	101
Sodium	0/11	96.8	1.65	95.1	99.8
Thallium	0/3	101	3.23	99.4	105
Tin	0/7	98.8	0.73	98.2	100
Vanadium	0/3	100	1.62	99.2	102
Zinc	0/10	97.4	1.15	96.0	99.4
<b>EPA7196A</b>					
Chromium, hexavalent	0/2	103	0.0	103	103
<b>EPA7470A</b>					
Mercury	0/15	103	1.87	101	107

**Quality Control Samples**

<i>Analyte</i>	<i>Qualified Out of Range†</i>	<i>Mean Recovery (%)</i>	<i>Standard Deviation</i>	<i>Minimum Recovery (%)</i>	<i>Maximum Recovery (%)</i>
<b>EPA8021B</b>					
Carbon tetrachloride	0/12	98.8	8.78	83.5	113
Chloroform	0/12	98.2	8.65	83.3	113
cis-1,2-Dichloroethylene	0/10	95.2	10.6	79.6	112
Tetrachloroethylene	0/10	98.7	10.1	83.8	110
1,1,1-Trichloroethane	0/12	96.8	8.94	81.9	114
Trichloroethylene	0/12	95.7	7.71	85.1	108
<b>EPA8081A</b>					
Aldrin	0/2	55.0	7.07	50.0	60.0
p,p'-DDT	0/2	105	4.24	102	108
Dieldrin	0/2	93.0	4.24	90.0	96.0
Endrin	1/3	114	6.93	110	122
Heptachlor	0/2	65.0	0.0	65.0	65.0
Lindane	0/3	91.7	5.77	85.0	95.0
<b>EPA8082</b>					
PCB 1254	0/2	83.0	1.91	81.6	84.3
<b>EPA8151A</b>					
2,4-Dichlorophenoxyacetic acid	0/1	107	—	107	107
<b>EPA8260B</b>					
Benzene	0/17	98.5	7.13	86.1	113
Chlorobenzene	0/17	97.9	6.59	87.9	109
1,1-Dichloroethylene	0/17	85.5	9.29	73.8	106
cis-1,2-Dichloroethylene	0/2	101	0.0	101	101
Tetrachloroethylene	0/2	99.2	0.0	99.2	99.2
Toluene	0/17	98.8	7.26	89.9	112
Trichloroethylene	0/17	94.8	8.54	76.6	111
<b>EPA8270C</b>					
Acenaphthene	0/2	83.4	7.92	77.8	89.0
Bis(2-ethylhexyl) phthalate	0/1	79.8	—	79.8	79.8
4-Chloro-m-cresol	0/1	60.6	—	60.6	60.6
2-Chlorophenol	0/1	63.9	—	63.9	63.9
1,4-Dichlorobenzene	0/2	57.1	15.3	46.3	67.9
2,4-Dinitrotoluene	1/2	87.0	38.2	60.0	114
4-Nitrophenol	1/1	100	—	100	100
N-Nitrosodipropylamine	0/2	62.7	24.4	45.4	79.9
Pentachlorophenol	0/1	89.9	—	89.9	89.9
Phenol	0/2	64.8	2.83	62.8	66.8
Pyrene	0/2	83.2	33.7	59.3	107
1,2,4-Trichlorobenzene	0/2	60.9	16.9	48.9	72.8
<b>EPA8280A</b>					
Octachlorodibenzo-p-dioxin	0/1	89.0	—	89.0	89.0
<b>EPA9014</b>					
Cyanide	0/8	96.1	5.73	88.9	107
<b>EPA9020B</b>					
Total organic halogens	0/94	99.4	4.18	90.1	108
<b>EPA9050A</b>					
Specific conductance	0/12	98.5	3.07	96.0	104

**Quality Control Samples**

<i>Analyte</i>	<i>Qualified Out of Range†</i>	<i>Mean Recovery (%)</i>	<i>Standard Deviation</i>	<i>Minimum Recovery (%)</i>	<i>Maximum Recovery (%)</i>
<b>EPA9056</b>					
Chloride	0/4	92.3	0.97	91.5	93.5
Sulfate	0/12	94.1	1.76	91.5	96.1
<b>EPA9060</b>					
Total organic carbon	0/26	100	2.89	93.0	105
<b>EPA9066</b>					
Phenols	0/10	96.9	4.19	93.6	108

† Number of batches qualified that exhibit poor laboratory control sample and blank spike recovery due to interference compared to the total number of batches containing laboratory control samples and blank spikes.  
— Standard deviation cannot be determined.

Note: A value of 0 is reported as 0.0.

**Table 44. Laboratory Control Sample Recoveries for ML**

<i>Analyte</i>	<i>Qualified Out of Range†</i>	<i>Mean Recovery (%)</i>	<i>Standard Deviation</i>	<i>Minimum Recovery (%)</i>	<i>Maximum Recovery (%)</i>
<b>EPA8260B</b>					
Benzene	0/1	104	—	104	104
Chlorobenzene	0/1	102	—	102	102
1,1-Dichloroethylene	0/1	92.4	—	92.4	92.4
Toluene	0/1	101	—	101	101
Trichloroethylene	0/1	101	—	101	101

† Number of batches qualified that exhibit poor laboratory control sample and blank spike recovery due to interference compared to the total number of batches containing laboratory control samples and blank spikes.  
— Standard deviation cannot be determined.

**Table 45. Laboratory Control Sample Recoveries for GP**

<i>Analyte</i>	<i>Qualified Out of Range†</i>	<i>Mean Recovery (%)</i>	<i>Standard Deviation</i>	<i>Minimum Recovery (%)</i>	<i>Maximum Recovery (%)</i>
<b>EPIA-001</b>					
Gross alpha	0/27	98.9	7.79	83.2	118
Nonvolatile beta	1/27	107	7.43	88.7	123
<b>EPIA-002</b>					
Tritium	1/23	98.6	6.31	77.8	110
<b>EPIA-003</b>					
Carbon-14	1/11	97.7	8.24	76.0	105
<b>EPIA-004</b>					
Strontium-89/90	0/4	94.7	9.27	85.6	105
Strontium-90	3/10	89.8	9.56	77.2	102
<b>EPIA-005</b>					
Technetium-99	0/5	105	5.76	97.9	112

**Quality Control Samples**

<i>Analyte</i>	<i>Qualified Out of Range†</i>	<i>Mean Recovery (%)</i>	<i>Standard Deviation</i>	<i>Minimum Recovery (%)</i>	<i>Maximum Recovery (%)</i>
<b>EPIA-006</b> Iodine-129	1/7	110	8.51	99.3	125
<b>EPIA-008</b> Radium-226	0/8	98.6	8.51	89.9	111
<b>EPIA-009</b> Radium-228	3/7	100	17.4	76.8	124
<b>EPIA-010</b> Radium, total alpha-emitting	0/8	88.5	4.43	82.4	94.8
<b>EPIA-011</b> Americium-241	0/4	104	9.48	97.8	118
Curium-243/244	0/4	114	6.55	104	118
Plutonium-239/240	0/5	93.1	9.86	81.4	107
Uranium-238	1/7	90.2	10.3	75.8	104
<b>EPIA-012</b> Thorium-232	0/4	93.7	9.66	83.6	106
<b>EPIA-013</b> Cesium-137	0/8	102	4.73	97.4	111
<b>EPIA-022</b> Nickel-63	1/2	81.9	4.17	78.9	84.8

† Number of batches qualified that exhibit poor laboratory control sample and blank spike recovery due to interference compared to the total number of batches containing laboratory control samples and blank spikes.

**Table 46. Laboratory Control Sample Recoveries for TM**

<i>Analyte</i>	<i>Qualified Out of Range†</i>	<i>Mean Recovery (%)</i>	<i>Standard Deviation</i>	<i>Minimum Recovery (%)</i>	<i>Maximum Recovery (%)</i>
<b>EICHROMTC1MOD</b> Technetium-99	0/1	108	—	108	108
<b>EMLSR02MOD</b> Strontium-90	1/3	93.7	18.0	73.0	106
<b>EPA900.0MOD</b> Gross alpha	7/55	102	13.1	70.1	130
Nonvolatile beta	1/51	97.9	9.11	65.3	119
<b>EPA901.1MOD</b> Cesium-137	0/2	96.8	0.27	96.6	97.0
Cobalt-60	0/2	95.2	0.42	94.9	95.5
<b>EPA902.0MOD</b> Iodine-129	0/1	88.3	—	88.3	88.3
<b>EPA903.0MOD</b> Radium, total alpha-emitting	0/4	105	2.58	102	108
Radium-226	0/2	97.8	5.44	93.9	102

**Quality Control Samples**

Analyte	Qualified Out of Range†	Mean Recovery (%)	Standard Deviation	Minimum Recovery (%)	Maximum Recovery (%)
<b>EPA904.0MOD</b> Radium-228	0/2	92.6	0.54	92.2	93.0
<b>EPA906.0MOD</b> Tritium	2/57	96.6	8.36	80.8	123

† Number of batches qualified that exhibit poor laboratory control sample and blank spike recovery due to interference compared to the total number of batches containing laboratory control samples and blank spikes.

— Standard deviation cannot be determined.

**Table 47. Surrogate Recoveries for EX**

Analyte	Qualified Out of Range†	Mean Recovery (%)	Standard Deviation	Minimum Recovery (%)	Maximum Recovery (%)
<b>EPA8021B</b> p-Bromofluorobenzene	57/126	113	11.9	82.0	135
<b>EPA8081A</b> Decachlorobiphenyl	0/3	104	3.21	100	106
Tetrachloro-m-xylene	0/3	59.3	11.0	47.0	68.0
<b>EPA8082</b> Decachlorobiphenyl	0/3	102	2.52	100	105
Tetrachloro-m-xylene	0/3	62.3	6.03	56.0	68.0
<b>EPA8260B</b> p-Bromofluorobenzene	6/203	98.5	6.07	80.0	123
1,2-Dichloroethane-d4	4/203	93.7	8.11	71.0	119
Toluene-d8	27/203	101	8.07	81.0	129
<b>EPA8270C</b> 2-Fluorobiphenyl	0/3	82.0	6.93	74.0	86.0
2-Fluorophenol	0/3	79.0	6.24	74.0	86.0
Nitrobenzene-d5	0/3	78.7	12.7	65.0	90.0
Phenol-d5	0/3	80.0	5.57	75.0	86.0
p-Terphenyl-d14	0/3	83.0	4.36	78.0	86.0
2,4,6-Tribromophenol (surr)	0/3	111	16.7	92.0	121

† Number of batches qualified that exhibit poor surrogate recovery due to interference compared to the total number of batches containing surrogates.

**Table 48. Surrogate Recoveries for GE**

Analyte	Qualified Out of Range†	Mean Recovery (%)	Standard Deviation	Minimum Recovery (%)	Maximum Recovery (%)
<b>EPA8081A</b> Decachlorobiphenyl	0/31	81.4	18.2	44.4	116
Dibutylchloroendate	0/1	95.6	—	95.6	95.6
Tetrachloro-m-xylene	0/32	87.8	13.1	63.8	121

**Quality Control Samples**

Analyte	Qualified Out of Range†	Mean Recovery (%)	Standard Deviation	Minimum Recovery (%)	Maximum Recovery (%)
<b>EPA8082</b>					
Decachlorobiphenyl	0/31	64.0	13.4	41.4	85.5
Tetrachloro-m-xylene	0/36	60.6	12.4	33.0	82.5
<b>EPA8260B</b>					
p-Bromofluorobenzene	21/108	90.9	5.15	78.7	103
Dibromofluoromethane	14/108	90.8	5.46	76.6	103
Toluene-d8	24/108	93.7	8.69	78.7	113
<b>EPA8270C</b>					
2-Fluorobiphenyl	2/77	61.0	11.7	19.7	81.6
2-Fluorophenol	0/43	41.6	6.58	26.8	55.9
Nitrobenzene-d5	2/77	59.4	12.5	18.4	88.2
Phenol-d6	0/43	29.5	5.94	17.7	45.9
p-Terphenyl-d14	2/77	78.4	15.3	23.8	105
2,4,6-Tribromophenol (surr)	0/43	70.2	11.6	49.4	98.6

† Number of batches qualified that exhibit poor surrogate recovery due to interference compared to the total number of batches containing surrogates.

— Standard deviation cannot be determined.

**Table 49. Surrogate Recoveries for WA**

Analyte	Qualified Out of Range†	Mean Recovery (%)	Standard Deviation	Minimum Recovery (%)	Maximum Recovery (%)
<b>EPA8021B</b>					
Bromochloromethane	0/90	104	12.5	70.4	124
<b>EPA8081A</b>					
Decachlorobiphenyl	0/19	93.5	7.04	79.0	104
Tetrachloro-m-xylene	0/20	58.9	15.3	35.0	95.0
<b>EPA8082</b>					
Decachlorobiphenyl	0/19	91.9	4.06	85.0	100
Tetrachloro-m-xylene	2/19	48.6	16.0	20.0	75.0
<b>EPA8151A</b>					
2,4-Dichlorophenylacetic acid	0/1	89.8	—	89.8	89.8
<b>EPA8260B</b>					
p-Bromofluorobenzene	0/217	96.2	3.92	88.0	112
1,2-Dichloroethane-d4	2/217	95.6	7.38	78.0	120
Toluene-d8	1/217	99.6	3.17	91.0	113
<b>EPA8270C</b>					
2-Fluorobiphenyl	0/25	73.5	10.3	52.3	104
2-Fluorophenol	0/9	65.2	7.27	54.0	76.9
Nitrobenzene-d5	0/25	74.7	7.21	59.0	89.2
Phenol-d5	0/9	52.9	23.4	19.1	81.8
p-Terphenyl-d14	0/25	81.7	12.3	40.7	104
2,4,6-Tribromophenol (surr)	0/9	83.3	21.8	51.8	111

Analyte	Qualified Out of Range†	Mean Recovery (%)	Standard Deviation	Minimum Recovery (%)	Maximum Recovery (%)
<b>EPA8280A</b>					
Carbon 13-labeled OCDD	0/11	85.9	7.87	75.0	100

† Number of batches qualified that exhibit poor surrogate recovery due to interference compared to the total number of batches containing surrogates.

— Standard deviation cannot be determined.

**Table 50. Surrogate Recoveries for ML**

Analyte	Qualified Out of Range†	Mean Recovery (%)	Standard Deviation	Minimum Recovery (%)	Maximum Recovery (%)
<b>EPA8260B</b>					
p-Bromofluorobenzene	0/6	106	0.98	105	107
Dibromofluoromethane	0/6	104	1.03	103	106
Toluene-d8	0/6	110	0.0	110	110

† Number of batches qualified that exhibit poor surrogate recovery due to interference compared to the total number of batches containing surrogates.

Note: A value of 0 is reported as 0.0.

**Table 51. Matrix Spike Recoveries for EX**

Analyte	Qualified Out of Range†	Mean Recovery (%)	Standard Deviation	Bias (%)	Minimum Recovery (%)	Maximum Recovery (%)
<b>EPA300.0</b>						
Chloride	0/1	115	—	15.0	115	115
Nitrate as nitrogen	0/6	112	4.0	12.0	106	117
Nitrate-nitrite as nitrogen	0/1	104	—	4.0	104	104
Sulfate	0/1	80.0	—	-20.0	80.0	80.0
<b>EPA410.4</b>						
Chemical oxygen demand	0/1	118	—	18.0	118	118
<b>EPA6010B</b>						
Aluminum	0/22	106	3.37	6.0	102	112
Antimony	0/2	105	1.41	5.0	104	106
Arsenic	0/8	106	2.56	6.0	102	109
Barium	0/12	105	2.68	5.0	100	109
Beryllium	0/2	107	0.71	7.0	106	107
Boron	0/12	107	5.15	7.0	100	117
Cadmium	0/8	106	3.06	6.0	103	111
Calcium	0/2	107	0.71	7.0	106	107
Chromium	0/8	108	3.91	8.0	104	114
Cobalt	0/2	110	0.71	10.0	109	110
Copper	0/2	104	0.71	4.0	103	104
Iron	0/22	106	6.68	6.0	81.0	114
Lead	0/22	99.7	5.23	-0.30	91.0	112
Magnesium	0/2	109	0.71	9.0	108	109
Manganese	0/16	105	2.25	5.0	101	109
Nickel	0/2	105	0.71	5.0	104	105
Potassium	0/2	111	0.71	11.0	110	111

**Quality Control Samples**

Analyte	Qualified Out of Range†	Mean Recovery (%)	Standard Deviation	Bias (%)	Minimum Recovery (%)	Maximum Recovery (%)
Selenium	0/8	110	3.16	10.0	106	114
Silver	0/8	109	2.88	9.0	105	113
Sodium	0/2	105	0.0	5.0	105	105
Thallium	0/4	106	3.11	6.0	103	110
Vanadium	0/2	104	0.71	4.0	103	104
Zinc	0/2	105	0.71	5.0	104	105
<b>EPA7470A</b>						
Mercury	0/16	102	9.33	2.0	78.0	115
<b>EPA8021B</b>						
Carbon tetrachloride	0/16	103	10.6	3.0	82.0	115
Chloroform	0/16	107	11.2	7.0	86.0	124
cis-1,2-Dichloroethylene	0/16	108	8.90	8.0	89.0	118
Tetrachloroethylene	0/16	109	13.5	9.0	82.0	129
1,1,1-Trichloroethane	0/16	104	10.6	4.0	83.0	115
Trichloroethylene	0/16	90.8	21.7	-9.20	53.0	124
<b>EPA8260B</b>						
Benzene	0/18	104	7.86	4.0	89.0	113
Chlorobenzene	0/18	97.9	7.10	-2.10	88.0	113
1,1-Dichloroethylene	0/18	100	12.4	0.0	81.0	117
Toluene	0/18	101	7.63	1.0	87.0	115
Trichloroethylene	0/18	101	9.55	1.0	87.0	116
<b>EPA9014</b>						
Cyanide	0/4	99.0	2.31	-1.0	97.0	101
<b>EPA9060</b>						
Total organic carbon	0/2	101	1.41	1.0	100	102

† Number of batches qualified that exhibit poor spike recovery due to interference compared to the total number of batches containing spikes.

— Standard deviation cannot be determined.

Note: A value of 0 is reported as 0.0.

**Table 52. Matrix Spike Recoveries for GE**

Analyte	Qualified Out of Range†	Mean Recovery (%)	Standard Deviation	Bias (%)	Minimum Recovery (%)	Maximum Recovery (%)
<b>EPA300.0</b>						
Chloride	0/2	91.4	0.85	-8.60	90.8	92.0
Sulfate	0/4	101	7.28	1.0	93.3	109
<b>EPA310.1</b>						
Alkalinity (as CaCO <sub>3</sub> )	0/2	98.4	7.92	-1.60	92.8	104
<b>EPA353.1</b>						
Nitrate-nitrite as nitrogen	0/31	105	6.17	5.0	94.0	117
<b>EPA6010B</b>						
Aluminum	0/10	99.3	5.46	-0.70	92.7	110
Antimony	0/4	102	3.85	2.0	98.4	106
Arsenic	0/6	97.7	8.40	-2.30	89.7	108
Barium	0/4	96.5	3.54	-3.50	93.0	99.7

**Quality Control Samples**

<i>Analyte</i>	<i>Qualified Out of Range†</i>	<i>Mean Recovery (%)</i>	<i>Standard Deviation</i>	<i>Bias (%)</i>	<i>Minimum Recovery (%)</i>	<i>Maximum Recovery (%)</i>
Beryllium	0/8	102	6.20	2.0	91.2	109
Cadmium	0/4	101	8.94	1.0	91.4	109
Calcium	0/4	102	2.98	2.0	98.9	105
Chromium	0/10	99.5	6.86	-0.50	89.3	107
Cobalt	0/4	101	9.24	1.0	90.4	109
Copper	0/4	96.4	5.66	-3.60	89.4	101
Iron	0/10	112	25.5	12.0	94.2	161
Lead	0/4	102	8.73	2.0	92.1	110
Magnesium	0/4	102	3.68	2.0	98.3	105
Manganese	0/6	97.2	8.24	-2.80	90.7	108
Nickel	0/4	102	10.5	2.0	90.1	111
Potassium	0/4	95.5	2.61	-4.50	92.2	97.8
Selenium	0/4	100	8.38	0.0	90.3	107
Silver	0/4	102	3.65	2.0	98.8	106
Sodium	0/4	98.7	3.84	-1.30	94.8	102
Thallium	0/4	100	7.07	0.0	91.6	107
Vanadium	0/4	99.0	6.15	-1.0	91.4	104
Zinc	0/6	101	4.86	1.0	95.4	106
<b>EPA6020</b>						
Aluminum	0/30	-340	1,600	-440	-7,580	210
Antimony	0/6	107	5.49	7.0	99.4	113
Arsenic	0/6	95.0	7.42	-5.0	86.0	105
Barium	0/6	114	15.2	14.0	97.7	133
Beryllium	0/4	96.3	10.4	-3.70	84.6	106
Boron	0/2	111	1.41	11.0	110	112
Cadmium	0/28	94.2	28.4	-5.80	-5.61	109
Calcium	0/2	133	43.8	33.0	102	164
Chromium	0/6	99.0	4.86	-1.0	91.9	104
Cobalt	0/6	98.1	5.31	-1.90	90.9	105
Copper	0/6	96.4	3.61	-3.60	91.1	102
Iron	0/28	99.4	21.0	-0.60	50.3	150
Lead	0/28	100	4.13	0.0	90.0	110
Lithium	0/2	99.5	2.19	-0.50	97.9	101
Magnesium	0/4	-692	914	-792	-1,750	87.0
Manganese	0/4	120	20.0	20.0	92.0	139
Molybdenum	0/2	107	0.71	7.0	106	107
Nickel	0/6	95.5	5.15	-4.50	86.8	101
Potassium	0/4	85.8	14.8	-14.2	69.8	98.8
Selenium	0/6	95.8	2.28	-4.20	93.3	99.8
Silver	0/6	105	4.13	5.0	101	110
Sodium	0/4	88.6	9.60	-11.4	79.1	101
Strontium	0/2	95.2	3.25	-4.80	92.9	97.5
Thallium	0/6	96.1	4.63	-3.90	89.9	101
Tin	0/2	107	2.12	7.0	105	108
Titanium	0/2	102	0.71	2.0	101	102
Uranium	0/2	117	4.95	17.0	113	120
Vanadium	0/6	100	5.47	0.0	93.1	106
Zinc	0/6	-86.2	285	-186	-466	101
<b>EPA7196A</b>						
Chromium, hexavalent	0/3	100	7.0	0.0	95.0	108
<b>EPA7470A</b>						
Mercury	0/34	99.9	6.35	-0.10	85.5	116
<b>EPA8081A</b>						
Aldrin	0/8	91.0	8.74	-9.0	80.7	107
p,p'-DDT	0/8	96.2	12.0	-3.80	70.1	110
Dieldrin	0/8	91.8	12.4	-8.20	79.7	114
Endrin	0/8	107	15.5	7.0	77.2	128

**Quality Control Samples**

<i>Analyte</i>	<i>Qualified Out of Range†</i>	<i>Mean Recovery (%)</i>	<i>Standard Deviation</i>	<i>Bias (%)</i>	<i>Minimum Recovery (%)</i>	<i>Maximum Recovery (%)</i>
Heptachlor	0/8	109	10.4	9.0	96.3	127
Lindane	0/8	97.5	12.4	-2.50	81.4	118
<b>EPA8082</b>						
PCB 1260	0/10	72.5	4.40	-27.5	65.0	77.0
<b>EPA8260B</b>						
Benzene	0/12	98.0	9.57	-2.0	82.9	117
Chlorobenzene	0/12	95.4	6.45	-4.60	80.3	104
1,1-Dichloroethylene	0/12	105	12.7	5.0	85.8	130
Toluene	0/12	93.6	8.39	-6.40	75.6	106
Trichloroethylene	0/14	97.5	14.3	-2.50	80.2	129
<b>EPA8270C</b>						
Acenaphthene	0/12	54.7	6.78	-45.3	45.6	65.3
4-Chloro-m-cresol	0/10	59.4	8.11	-40.6	49.1	68.5
2-Chlorophenol	0/10	51.5	6.57	-48.5	44.4	61.7
1,4-Dichlorobenzene	0/12	46.4	7.40	-53.6	37.4	56.6
2,4-Dinitrotoluene	0/12	62.7	10.5	-37.3	43.9	74.8
4-Nitrophenol	0/10	39.2	7.49	-60.8	26.8	50.5
N-Nitrosodipropylamine	0/12	52.7	10.2	-47.3	43.2	70.5
Pentachlorophenol	0/10	70.7	13.1	-29.3	46.2	90.4
Phenol	0/10	31.8	5.13	-68.2	25.5	39.0
Pyrene	0/12	76.3	11.2	-23.7	60.4	89.8
1,2,4-Trichlorobenzene	0/12	49.3	8.15	-50.7	39.1	59.8
<b>EPA9012A</b>						
Cyanide	0/7	88.1	3.64	-11.9	82.3	94.7
<b>EPA9020B</b>						
Total organic halogens	0/3	106	2.08	6.0	104	108
<b>EPA9060</b>						
Total organic carbon	0/2	96.2	13.9	-3.80	86.3	106
<b>EPA9066</b>						
Phenols	0/4	98.0	3.75	-2.0	95.1	103

† Number of batches qualified that exhibit poor spike recovery due to interference compared to the total number of batches containing spikes.

Note: A value of 0 is reported as 0.0.

**Table 53. Matrix Spike Recoveries for WA**

<i>Analyte</i>	<i>Qualified Out of Range†</i>	<i>Mean Recovery (%)</i>	<i>Standard Deviation</i>	<i>Bias (%)</i>	<i>Minimum Recovery (%)</i>	<i>Maximum Recovery (%)</i>
<b>EPA310.1</b>						
Alkalinity (as CaCO <sub>3</sub> )	0/5	103	1.95	3.0	102	106
<b>EPA340.2</b>						
Fluoride	0/2	89.9	3.54	-10.1	87.4	92.4
<b>EPA353.2</b>						
Nitrate as nitrogen	0/2	96.4	6.51	-3.60	91.8	101
Nitrate-nitrite as nitrogen	0/5	99.7	5.02	-0.30	94.7	106

**Quality Control Samples**

Analyte	Qualified Out of Range†	Mean Recovery (%)	Standard Deviation	Bias (%)	Minimum Recovery (%)	Maximum Recovery (%)
<b>EPA365.2</b>						
Total phosphates (as P)	0/2	104	3.54	4.0	101	106
<b>EPA410.4</b>						
Chemical oxygen demand	0/1	83.6	—	-16.4	83.6	83.6
<b>EPA6010B</b>						
Aluminum	0/20	103	10.8	3.0	93.7	136
Antimony	0/12	99.1	2.02	-0.90	95.5	103
Arsenic	0/20	99.4	3.10	-0.60	93.6	104
Barium	0/20	95.9	2.97	-4.10	89.2	101
Beryllium	0/4	101	1.98	1.0	98.6	103
Boron	0/16	94.8	2.94	-5.20	90.0	100
Cadmium	0/20	99.8	3.46	-0.20	93.6	108
Calcium	0/12	99.4	2.16	-0.60	95.8	103
Chromium	0/20	99.5	2.61	-0.50	93.5	103
Cobalt	0/4	101	3.51	1.0	96.8	104
Copper	0/12	96.7	2.61	-3.30	90.6	99.4
Iron	0/20	101	5.32	1.0	93.1	115
Lead	0/20	98.5	3.56	-1.50	92.1	105
Lithium	0/16	101	3.56	1.0	95.9	107
Magnesium	0/12	99.8	4.20	-0.20	94.6	108
Manganese	0/12	100	2.41	0.0	95.6	104
Nickel	0/12	97.5	2.72	-2.50	92.2	101
Potassium	0/12	95.4	2.77	-4.60	91.5	100
Selenium	0/20	98.6	3.11	-1.40	92.2	104
Silica	0/8	125	41.3	25.0	89.8	196
Silver	0/20	97.3	2.42	-2.70	91.4	101
Sodium	0/12	93.0	1.78	-7.0	90.6	96.3
Thallium	0/4	104	2.75	4.0	101	107
Tin	0/8	102	2.11	2.0	98.2	105
Vanadium	0/4	100	1.42	0.0	98.7	102
Zinc	0/12	97.9	1.57	-2.10	95.3	100
<b>EPA7196A</b>						
Chromium, hexavalent	0/2	107	1.41	7.0	106	108
<b>EPA7470A</b>						
Mercury	0/16	95.3	6.23	-4.70	81.1	105
<b>EPA8021B</b>						
Carbon tetrachloride	0/8	88.2	13.8	-11.8	58.4	103
Chloroform	0/8	89.5	13.5	-10.5	59.6	104
cis-1,2-Dichloroethylene	0/8	83.3	14.0	-16.7	55.0	98.2
Tetrachloroethylene	0/8	87.1	13.3	-12.9	57.4	99.6
1,1,1-Trichloroethane	0/8	85.4	13.2	-14.6	57.0	98.0
Trichloroethylene	0/8	79.3	13.7	-20.7	53.0	94.3
<b>EPA8081A</b>						
Aldrin	0/1	95.0	—	-5.0	95.0	95.0
p,p'-DDT	0/1	108	—	8.0	108	108
Dieldrin	0/1	98.0	—	-2.0	98.0	98.0
Endrin	0/2	119	4.24	19.0	116	122
Heptachlor	0/1	110	—	10.0	110	110
Lindane	0/1	95.1	—	-4.90	95.1	95.1
<b>EPA8082</b>						
PCB 1254	0/1	88.0	—	-12.0	88.0	88.0
PCB 1260	0/0	—	—	—	—	—

### Quality Control Samples

Analyte	Qualified Out of Range†	Mean Recovery (%)	Standard Deviation	Bias (%)	Minimum Recovery (%)	Maximum Recovery (%)
<b>EPA8260B</b>						
Benzene	0/9	95.9	6.94	-4.10	85.4	107
p-Bromofluorobenzene	0/1	94.0	—	-6.0	94.0	94.0
Chlorobenzene	0/9	93.7	3.99	-6.30	85.7	97.9
1,2-Dichloroethane-d4	0/1	99.0	—	-1.0	99.0	99.0
1,1-Dichloroethylene	0/9	84.0	5.23	-16.0	76.9	93.4
Toluene	0/9	94.9	3.61	-5.10	88.2	100
Toluene-d8	0/1	101	—	1.0	101	101
Trichloroethylene	0/9	98.5	22.7	-1.50	76.4	157
<b>EPA8270C</b>						
Acenaphthene	0/3	72.4	10.2	-27.6	61.1	80.8
Bis(2-ethylhexyl) phthalate	0/1	79.3	—	-20.7	79.3	79.3
4-Chloro-m-cresol	0/2	57.6	18.7	-42.4	44.4	70.8
2-Chlorophenol	0/2	65.2	11.0	-34.8	57.4	72.9
1,4-Dichlorobenzene	0/3	53.2	15.5	-46.8	35.8	65.6
2,4-Dinitrotoluene	0/3	67.0	4.79	-33.0	63.7	72.5
4-Nitrophenol	0/2	45.6	9.69	-54.4	38.7	52.4
N-Nitrosodipropylamine	0/3	78.2	9.81	-21.8	67.2	86.1
Pentachlorophenol	0/2	49.8	6.51	-50.2	45.2	54.4
Phenol	0/2	67.8	9.69	-32.2	60.9	74.6
Pyrene	0/3	80.0	2.05	-20.0	77.6	81.2
1,2,4-Trichlorobenzene	0/3	57.7	17.1	-42.3	38.8	72.2
<b>EPA8280A</b>						
Octachlorodibenzo-p-dioxin	0/1	84.0	—	-16.0	84.0	84.0
<b>EPA9014</b>						
Cyanide	0/3	91.4	10.8	-8.60	79.0	98.6
<b>EPA9020B</b>						
Total organic halogens	0/7	102	8.23	2.0	93.4	118
<b>EPA9056</b>						
Chloride	0/4	97.3	10.8	-2.70	81.3	104
Sulfate	0/10	103	5.42	3.0	96.3	115
<b>EPA9060</b>						
Total organic carbon	0/4	103	2.22	3.0	101	106
<b>EPA9066</b>						
Phenols	0/6	97.3	5.89	-2.70	89.0	107

† Number of batches qualified that exhibit poor spike recovery due to interference compared to the total number of batches containing spikes.

— Standard deviation cannot be determined.

Note: A value of 0 is reported as 0.0.

### Quality Control Samples

**Table 54. Matrix Spike Recoveries for ML**

Analyte	Qualified Out of Range†	Mean Recovery (%)	Standard Deviation	Bias (%)	Minimum Recovery (%)	Maximum Recovery (%)
<b>EPA8260B</b>						
Benzene	0/2	106	2.83	6.0	104	108
Chlorobenzene	0/2	102	0.0	2.0	102	102
1,1-Dichloroethylene	0/2	93.3	0.28	-6.70	93.1	93.5
Toluene	0/2	103	0.71	3.0	102	103
Trichloroethylene	0/2	103	3.54	3.0	100	105

† Number of batches qualified that exhibit poor spike recovery due to interference compared to the total number of batches containing spikes.

Note: A value of 0 is reported as 0.0.

**Table 55. Matrix Spike Recoveries for GP**

Analyte	Qualified Out of Range†	Mean Recovery (%)	Standard Deviation	Bias (%)	Minimum Recovery (%)	Maximum Recovery (%)
<b>EPIA-001</b>						
Gross alpha	0/27	99.2	11.2	-0.80	80.0	124
Nonvolatile beta	0/27	109	9.18	9.0	92.1	122
<b>EPIA-002</b>						
Tritium	0/22	91.6	23.9	-8.40	30.4	145
<b>EPIA-003</b>						
Carbon-14	0/11	100	6.49	0.0	94.1	118
<b>EPIA-004</b>						
Strontium-89/90	0/4	104	12.8	4.0	88.2	118
Strontium-90	0/10	90.2	10.4	-9.80	76.8	105
<b>EPIA-005</b>						
Technetium-99	0/5	103	4.29	3.0	99.4	110
<b>EPIA-006</b>						
Iodine-129	0/7	103	7.77	3.0	91.3	115
<b>EPIA-008</b>						
Radium-226	0/8	94.8	8.71	-5.20	83.3	107
<b>EPIA-009</b>						
Radium-228	0/7	106	12.1	6.0	83.2	119
<b>EPIA-010</b>						
Radium, total alpha-emitting	0/8	90.6	6.46	-9.40	76.2	96.6
<b>EPIA-011</b>						
Americium-241	0/4	113	5.94	13.0	105	118
Curium-243/244	0/4	111	7.46	11.0	105	122
Plutonium-239/240	0/4	90.5	8.74	-9.50	82.7	103
Uranium-238	0/5	89.8	13.5	-10.2	75.7	108

### Quality Control Samples

Analyte	Qualified Out of Range†	Mean Recovery (%)	Standard Deviation	Bias (%)	Minimum Recovery (%)	Maximum Recovery (%)
<b>EPIA-012</b> Thorium-232	0/4	91.4	6.14	-8.60	85.0	97.8
<b>EPIA-013</b> Cesium-137	0/8	100	5.84	0.0	90.6	108
<b>EPIA-022</b> Nickel-63	0/3	81.9	5.82	-18.1	77.6	88.5

† Number of batches qualified that exhibit poor spike recovery due to interference compared to the total number of batches containing spikes.

Note: A value of 0 is reported as 0.0.

**Table 56. Analytes Detected in Method Blanks for EX**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
<b>EPA300.0</b>				
Chloride	0/1	200	—	200/200 µg/L
Nitrate as nitrogen	0/7	100	0.0	100/100 µg/L
Nitrate-nitrite as nitrogen	0/1	100	—	100/100 µg/L
Sulfate	0/1	200	—	200/200 µg/L
<b>EPA410.4</b>				
Chemical oxygen demand	0/1	10,000	—	10,000/10,000 µg/L
<b>EPA6010B</b>				
Aluminum	0/11	200	0.0	200/200 µg/L
Antimony	0/2	100	0.0	100/100 µg/L
Arsenic	1/5	9.14	1.92	5.70/10.0 µg/L
Barium	0/6	10.0	0.0	10.0/10.0 µg/L
Beryllium	0/2	10.0	0.0	10.0/10.0 µg/L
Boron	0/7	100	0.0	100/100 µg/L
Cadmium	0/5	10.0	0.0	10.0/10.0 µg/L
Calcium	0/1	1,000	—	1,000/1,000 µg/L
Chromium	0/5	10.0	0.0	10.0/10.0 µg/L
Cobalt	0/1	20.0	—	20.0/20.0 µg/L
Copper	0/2	20.0	0.0	20.0/20.0 µg/L
Iron	1/11	183	57.0	11.0/200 µg/L
Lead	0/13	23.8	33.8	10.0/100 µg/L
Magnesium	0/1	1,000	—	1,000/1,000 µg/L
Manganese	0/8	10.0	0.0	10.0/10.0 µg/L
Nickel	0/2	50.0	0.0	50.0/50.0 µg/L
Potassium	0/1	5,000	—	5,000/5,000 µg/L
Selenium	1/5	8.88	2.51	4.39/10.0 µg/L
Silver	0/5	20.0	0.0	20.0/20.0 µg/L
Sodium	0/1	1,000	—	1,000/1,000 µg/L
Thallium	1/3	8.72	2.22	6.16/10.0 µg/L
Vanadium	0/1	10.0	—	10.0/10.0 µg/L
Zinc	0/2	20.0	0.0	20.0/20.0 µg/L
<b>EPA7470A</b>				
Mercury	0/16	0.50	0.0	0.50/0.50 µg/L

**Quality Control Samples**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
<b>EPA8021B</b>				
Carbon tetrachloride	0/7	1.0	0.0	1.0/1.0 µg/L
Chloroform	0/7	1.0	0.0	1.0/1.0 µg/L
cis-1,2-Dichloroethylene	0/7	1.0	0.0	1.0/1.0 µg/L
Tetrachloroethylene	0/7	1.0	0.0	1.0/1.0 µg/L
1,1,1-Trichloroethane	0/7	1.0	0.0	1.0/1.0 µg/L
Trichloroethylene	0/7	1.0	0.0	1.0/1.0 µg/L
<b>EPA8081A</b>				
Aldrin	0/1	0.10	—	0.10/0.10 µg/L
alpha-Benzene hexachloride	0/1	0.10	—	0.10/0.10 µg/L
beta-Benzene hexachloride	0/1	0.10	—	0.10/0.10 µg/L
delta-Benzene hexachloride	0/1	0.10	—	0.10/0.10 µg/L
alpha-Chlordane	0/1	0.10	—	0.10/0.10 µg/L
gamma-Chlordane	0/1	0.10	—	0.10/0.10 µg/L
p,p'-DDD	0/1	0.20	—	0.20/0.20 µg/L
p,p'-DDE	0/1	0.20	—	0.20/0.20 µg/L
p,p'-DDT	0/1	0.20	—	0.20/0.20 µg/L
Dieldrin	0/1	0.20	—	0.20/0.20 µg/L
Endosulfan sulfate	0/1	0.20	—	0.20/0.20 µg/L
Endosulfan I	0/1	0.10	—	0.10/0.10 µg/L
Endosulfan II	0/1	0.20	—	0.20/0.20 µg/L
Endrin	0/1	0.20	—	0.20/0.20 µg/L
Endrin aldehyde	0/1	0.20	—	0.20/0.20 µg/L
Heptachlor	0/1	0.10	—	0.10/0.10 µg/L
Heptachlor epoxide	0/1	0.10	—	0.10/0.10 µg/L
Lindane	0/1	0.10	—	0.10/0.10 µg/L
Toxaphene	0/1	1.0	—	1.0/1.0 µg/L
<b>EPA8082</b>				
PCB 1016	0/1	2.0	—	2.0/2.0 µg/L
PCB 1221	0/1	2.0	—	2.0/2.0 µg/L
PCB 1232	0/1	1.0	—	1.0/1.0 µg/L
PCB 1242	0/1	1.0	—	1.0/1.0 µg/L
PCB 1248	0/1	1.0	—	1.0/1.0 µg/L
PCB 1254	0/1	1.0	—	1.0/1.0 µg/L
PCB 1260	0/1	1.0	—	1.0/1.0 µg/L
<b>EPA8260B</b>				
Acetone	0/6	10.0	0.0	10.0/10.0 µg/L
Acetonitrile	0/4	500	0.0	500/500 µg/L
Acrolein	0/5	50.0	0.0	50.0/50.0 µg/L
Acrylonitrile	0/5	50.0	0.0	50.0/50.0 µg/L
Allyl chloride	0/4	10.0	0.0	10.0/10.0 µg/L
Benzene	0/20	5.0	0.0	5.0/5.0 µg/L
Bromodichloromethane	0/20	5.0	0.0	5.0/5.0 µg/L
Bromoform	0/20	5.0	0.0	5.0/5.0 µg/L
Bromomethane	0/20	5.0	0.0	5.0/5.0 µg/L
Carbon disulfide	0/6	5.0	0.0	5.0/5.0 µg/L
Carbon tetrachloride	0/20	5.0	0.0	5.0/5.0 µg/L
Chlorobenzene	0/20	5.0	0.0	5.0/5.0 µg/L
Chloroethane	0/20	10.0	0.0	10.0/10.0 µg/L
Chloroethene	0/20	5.0	0.0	5.0/5.0 µg/L
2-Chloroethyl vinyl ether	0/14	5.0	0.0	5.0/5.0 µg/L
Chloroform	0/20	5.0	0.0	5.0/5.0 µg/L
Chloromethane	0/20	5.0	0.0	5.0/5.0 µg/L
Chloroprene	0/4	50.0	0.0	50.0/50.0 µg/L
Dibromochloromethane	0/20	5.0	0.0	5.0/5.0 µg/L
1,2-Dibromo-3-chloropropane	0/4	5.0	0.0	5.0/5.0 µg/L
1,2-Dibromoethane	0/4	5.0	0.0	5.0/5.0 µg/L
Dibromomethane	0/4	5.0	0.0	5.0/5.0 µg/L

**Quality Control Samples**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
1,2-Dichlorobenzene	0/5	5.0	0.0	5.0/5.0 µg/L
1,3-Dichlorobenzene	0/5	5.0	0.0	5.0/5.0 µg/L
1,4-Dichlorobenzene	0/5	5.0	0.0	5.0/5.0 µg/L
trans-1,4-Dichloro-2-butene	0/4	20.0	0.0	20.0/20.0 µg/L
Dichlorodifluoromethane	0/4	5.0	0.0	5.0/5.0 µg/L
1,1-Dichloroethane	0/20	5.0	0.0	5.0/5.0 µg/L
1,2-Dichloroethane	0/20	5.0	0.0	5.0/5.0 µg/L
1,1-Dichloroethylene	0/20	5.0	0.0	5.0/5.0 µg/L
1,2-Dichloroethylene	0/2	1.0	0.0	1.0/1.0 µg/L
cis-1,2-Dichloroethylene	0/4	5.0	0.0	5.0/5.0 µg/L
trans-1,2-Dichloroethylene	0/18	5.0	0.0	5.0/5.0 µg/L
Dichloromethane	0/20	5.0	0.0	5.0/5.0 µg/L
1,2-Dichloropropane	0/20	5.0	0.0	5.0/5.0 µg/L
cis-1,3-Dichloropropene	0/20	5.0	0.0	5.0/5.0 µg/L
trans-1,3-Dichloropropene	0/20	5.0	0.0	5.0/5.0 µg/L
1,4-Dioxane	0/4	1,000	0.0	1,000/1,000 µg/L
Ethyl methacrylate	0/4	5.0	0.0	5.0/5.0 µg/L
Ethylbenzene	0/20	5.0	0.0	5.0/5.0 µg/L
2-Hexanone	0/6	5.0	0.0	5.0/5.0 µg/L
Iodomethane	0/4	5.0	0.0	5.0/5.0 µg/L
Isobutyl alcohol	0/4	1,500	0.0	1,500/1,500 µg/L
Methacrylonitrile	0/4	500	0.0	500/500 µg/L
Methyl ethyl ketone	0/6	10.0	0.0	10.0/10.0 µg/L
Methyl isobutyl ketone	0/6	5.0	0.0	5.0/5.0 µg/L
Methyl methacrylate	0/4	50.0	0.0	50.0/50.0 µg/L
Pentachloroethane	0/4	200	0.0	200/200 µg/L
Propionitrile	0/4	500	0.0	500/500 µg/L
Styrene	0/6	5.0	0.0	5.0/5.0 µg/L
1,1,1,2-Tetrachloroethane	0/4	5.0	0.0	5.0/5.0 µg/L
1,1,2,2-Tetrachloroethane	0/20	5.0	0.0	5.0/5.0 µg/L
Tetrachloroethylene	0/20	5.0	0.0	5.0/5.0 µg/L
Toluene	0/20	5.0	0.0	5.0/5.0 µg/L
1,1,1-Trichloroethane	0/21	5.0	0.0	5.0/5.0 µg/L
1,1,2-Trichloroethane	0/20	5.0	0.0	5.0/5.0 µg/L
Trichloroethylene	0/20	5.0	0.0	5.0/5.0 µg/L
Trichlorofluoromethane	0/18	5.0	0.0	5.0/5.0 µg/L
1,2,3-Trichloropropane	0/4	5.0	0.0	5.0/5.0 µg/L
Vinyl acetate	0/6	20.0	0.0	20.0/20.0 µg/L
Xylenes	0/6	10.0	0.0	10.0/10.0 µg/L
<b>EPA8270C</b>				
Acenaphthene	0/1	10.0	—	10.0/10.0 µg/L
Acenaphthylene	0/1	10.0	—	10.0/10.0 µg/L
Anthracene	0/1	10.0	—	10.0/10.0 µg/L
Benzenzidine	0/1	10.0	—	10.0/10.0 µg/L
Benzo[a]anthracene	0/1	10.0	—	10.0/10.0 µg/L
Benzo[b]fluoranthene	0/1	10.0	—	10.0/10.0 µg/L
Benzo[k]fluoranthene	0/1	10.0	—	10.0/10.0 µg/L
Benzo[g,h,i]perylene	0/1	10.0	—	10.0/10.0 µg/L
Benzo[a]pyrene	0/1	10.0	—	10.0/10.0 µg/L
Bis(2-chloroethoxy) methane	0/1	10.0	—	10.0/10.0 µg/L
Bis(2-chloroethyl) ether	0/1	10.0	—	10.0/10.0 µg/L
Bis(2-chloroisopropyl) ether	0/1	10.0	—	10.0/10.0 µg/L
Bis(2-ethylhexyl) phthalate	0/1	10.0	—	10.0/10.0 µg/L
4-Bromophenyl phenyl ether	0/1	10.0	—	10.0/10.0 µg/L
Butylbenzyl phthalate	0/1	10.0	—	10.0/10.0 µg/L
4-Chloro-m-cresol	0/1	10.0	—	10.0/10.0 µg/L
2-Chloronaphthalene	0/1	10.0	—	10.0/10.0 µg/L
2-Chlorophenol	0/1	10.0	—	10.0/10.0 µg/L
4-Chlorophenyl phenyl ether	0/1	10.0	—	10.0/10.0 µg/L
Chrysene	0/1	10.0	—	10.0/10.0 µg/L

**Quality Control Samples**

<i>Analyte</i>	<i>Frequency of Detection†</i>	<i>Mean Result</i>	<i>Standard Deviation</i>	<i>Minimum/Maximum Results</i>
Dibenz[ <i>a,h</i> ]anthracene	0/1	10.0	—	10.0/10.0 µg/L
Di- <i>n</i> -butyl phthalate	0/1	10.0	—	10.0/10.0 µg/L
3,3'-Dichlorobenzidine	0/1	10.0	—	10.0/10.0 µg/L
2,4-Dichlorophenol	0/1	10.0	—	10.0/10.0 µg/L
Diethyl phthalate	0/1	10.0	—	10.0/10.0 µg/L
2,4-Dimethyl phenol	0/1	10.0	—	10.0/10.0 µg/L
Dimethyl phthalate	0/1	10.0	—	10.0/10.0 µg/L
2,4-Dinitrophenol	0/1	25.0	—	25.0/25.0 µg/L
2,4-Dinitrotoluene	0/1	10.0	—	10.0/10.0 µg/L
2,6-Dinitrotoluene	0/1	10.0	—	10.0/10.0 µg/L
Di- <i>n</i> -octyl phthalate	0/1	10.0	—	10.0/10.0 µg/L
1,2-Diphenylhydrazine	0/1	10.0	—	10.0/10.0 µg/L
Fluoranthene	0/1	10.0	—	10.0/10.0 µg/L
Fluorene	0/1	10.0	—	10.0/10.0 µg/L
Hexachlorobenzene	0/1	10.0	—	10.0/10.0 µg/L
Hexachlorobutadiene	0/1	10.0	—	10.0/10.0 µg/L
Hexachlorocyclopentadiene	0/1	10.0	—	10.0/10.0 µg/L
Hexachloroethane	0/1	10.0	—	10.0/10.0 µg/L
Indeno[1,2,3- <i>c,d</i> ]pyrene	0/1	10.0	—	10.0/10.0 µg/L
Isophorone	0/1	10.0	—	10.0/10.0 µg/L
2-Methyl-4,6-dinitrophenol	0/1	25.0	—	25.0/25.0 µg/L
Naphthalene	0/1	10.0	—	10.0/10.0 µg/L
<i>m</i> -Nitroaniline	0/1	25.0	—	25.0/25.0 µg/L
Nitrobenzene	0/1	10.0	—	10.0/10.0 µg/L
2-Nitrophenol	0/1	10.0	—	10.0/10.0 µg/L
4-Nitrophenol	0/1	25.0	—	25.0/25.0 µg/L
<i>N</i> -Nitrosodimethylamine	0/1	25.0	—	25.0/25.0 µg/L
<i>N</i> -Nitrosodiphenylamine	0/1	10.0	—	10.0/10.0 µg/L
<i>N</i> -Nitrosodipropylamine	0/1	10.0	—	10.0/10.0 µg/L
Pentachlorophenol	0/1	25.0	—	25.0/25.0 µg/L
Phenanthrene	0/1	10.0	—	10.0/10.0 µg/L
Phenol	0/1	10.0	—	10.0/10.0 µg/L
Pyrene	0/1	10.0	—	10.0/10.0 µg/L
1,2,4-Trichlorobenzene	0/1	10.0	—	10.0/10.0 µg/L
2,4,6-Trichlorophenol	0/1	25.0	—	25.0/25.0 µg/L
<b>EPA9014</b>				
Cyanide	0/2	10.0	0.0	10.0/10.0 µg/L
<b>EPA9060</b>				
Total organic carbon	0/2	5,000	0.0	5,000/5,000 µg/L

† Number of times analyte was detected compared to the total number of method blanks for the analyte.  
— Standard deviation cannot be determined.

Note: If the analyte was not detected in the method blank(s), detection limit information appears in the *Mean Result* and *Minimum/Maximum Results* columns.

**Table 57. Analytes Detected in Method Blanks for GE**

<i>Analyte</i>	<i>Frequency of Detection†</i>	<i>Mean Result</i>	<i>Standard Deviation</i>	<i>Minimum/Maximum Results</i>
<b>EPA160.1</b>				
Total dissolved solids	0/3	10,000	0.0	10,000/10,000 µg/L

**Quality Control Samples**

<i>Analyte</i>	<i>Frequency of Detection†</i>	<i>Mean Result</i>	<i>Standard Deviation</i>	<i>Minimum/Maximum Results</i>
<b>EPA300.0</b>				
Chloride	1/1	45.0	—	45.0/45.0 µg/L
Sulfate	1/3	155	77.9	65.0/200 µg/L
<b>EPA353.1</b>				
Nitrate-nitrite as nitrogen	8/19	36.8	16.7	10.0/50.0 µg/L
<b>EPA6010B</b>				
Aluminum	2/7	39.9	17.3	12.8/50.0 µg/L
Antimony	1/5	8.87	2.54	4.33/10.0 µg/L
Arsenic	0/5	5.0	0.0	5.0/5.0 µg/L
Barium	1/5	4.21	1.76	1.07/5.0 µg/L
Beryllium	0/6	5.0	0.0	5.0/5.0 µg/L
Boron	0/1	50.0	—	50.0/50.0 µg/L
Cadmium	0/5	5.0	0.0	5.0/5.0 µg/L
Calcium	1/4	113	26.5	100/153 µg/L
Chromium	0/7	5.0	0.0	5.0/5.0 µg/L
Cobalt	0/4	5.0	0.0	5.0/5.0 µg/L
Copper	1/5	4.28	1.61	1.40/5.0 µg/L
Iron	0/7	50.0	0.0	50.0/50.0 µg/L
Lead	0/5	5.0	0.0	5.0/5.0 µg/L
Magnesium	2/4	8.54	1.71	6.75/10.0 µg/L
Manganese	0/4	10.0	0.0	10.0/10.0 µg/L
Nickel	0/5	5.0	0.0	5.0/5.0 µg/L
Potassium	1/4	82.0	36.0	28.1/100 µg/L
Selenium	0/5	5.0	0.0	5.0/5.0 µg/L
Silver	1/5	4.20	1.79	1.0/5.0 µg/L
Sodium	0/4	400	200	100/500 µg/L
Thallium	0/4	5.0	0.0	5.0/5.0 µg/L
Tin	0/1	100	—	100/100 µg/L
Vanadium	0/4	5.0	0.0	5.0/5.0 µg/L
Zinc	2/6	6.08	1.69	5.0/8.61 µg/L
<b>EPA6020</b>				
Aluminum	2/16	25.3	34.1	13.7/150 µg/L
Antimony	2/5	1.32	0.93	0.30/2.0 µg/L
Arsenic	0/5	3.0	0.0	3.0/3.0 µg/L
Barium	0/5	2.0	0.0	2.0/2.0 µg/L
Beryllium	0/3	0.47	0.46	0.20/1.0 µg/L
Boron	0/1	15.0	—	15.0/15.0 µg/L
Cadmium	0/14	1.0	0.0	1.0/1.0 µg/L
Calcium	0/2	150	0.0	150/150 µg/L
Chromium	2/5	2.29	0.97	1.20/3.0 µg/L
Cobalt	1/5	0.88	0.28	0.38/1.0 µg/L
Copper	1/5	0.89	0.26	0.43/1.0 µg/L
Iron	0/15	23.7	3.52	15.0/25.0 µg/L
Lead	3/14	1.56	0.74	0.20/2.0 µg/L
Lithium	0/2	2.0	0.0	2.0/2.0 µg/L
Magnesium	0/3	7.67	4.04	3.0/10.0 µg/L
Manganese	0/3	3.40	2.77	0.20/5.0 µg/L
Molybdenum	1/1	0.12	—	0.12/0.12 µg/L
Nickel	0/5	2.0	0.0	2.0/2.0 µg/L
Potassium	0/3	205	165	15.0/300 µg/L
Selenium	0/5	5.0	0.0	5.0/5.0 µg/L
Silver	0/5	1.0	0.0	1.0/1.0 µg/L
Sodium	0/3	250	0.0	250/250 µg/L
Strontium	0/1	10.0	—	10.0/10.0 µg/L
Thallium	1/5	0.43	0.17	0.13/0.50 µg/L
Tin	0/4	5.0	0.0	5.0/5.0 µg/L
Titanium	0/1	10.0	—	10.0/10.0 µg/L

**Quality Control Samples**

<i>Analyte</i>	<i>Frequency of Detection†</i>	<i>Mean Result</i>	<i>Standard Deviation</i>	<i>Minimum/Maximum Results</i>
Uranium	1/1	0.05	—	0.05/0.05 µg/L
Vanadium	0/5	10.0	0.0	10.0/10.0 µg/L
Zinc	0/5	10.0	0.0	10.0/10.0 µg/L
<b>EPA7196A</b>				
Chromium, hexavalent	0/3	20.0	0.0	20.0/20.0 µg/L
<b>EPA7470A</b>				
Mercury	3/20	0.18	0.05	0.04/0.20 µg/L
<b>EPA8081A</b>				
Aldrin	0/4	0.02	0.00	0.02/0.02 µg/L
alpha-Benzene hexachloride	0/4	0.02	0.00	0.02/0.02 µg/L
beta-Benzene hexachloride	0/4	0.02	0.00	0.02/0.02 µg/L
delta-Benzene hexachloride	0/4	0.02	0.00	0.02/0.02 µg/L
alpha-Chlordane	0/4	0.02	0.00	0.02/0.02 µg/L
gamma-Chlordane	0/4	0.02	0.00	0.02/0.02 µg/L
p,p'-DDD	0/4	0.04	0.00	0.03/0.04 µg/L
p,p'-DDE	0/4	0.04	0.00	0.03/0.04 µg/L
p,p'-DDT	0/4	0.04	0.00	0.03/0.04 µg/L
Dieldrin	0/4	0.04	0.00	0.03/0.04 µg/L
Endosulfan sulfate	0/4	0.04	0.00	0.03/0.04 µg/L
Endosulfan I	0/4	0.02	0.00	0.02/0.02 µg/L
Endosulfan II	0/4	0.04	0.00	0.03/0.04 µg/L
Endrin	0/4	0.04	0.00	0.03/0.04 µg/L
Endrin aldehyde	0/4	0.04	0.00	0.03/0.04 µg/L
Endrin ketone	0/4	0.04	0.00	0.03/0.04 µg/L
Heptachlor	0/4	0.02	0.00	0.02/0.02 µg/L
Heptachlor epoxide	0/4	0.02	0.00	0.02/0.02 µg/L
Lindane	0/4	0.02	0.00	0.02/0.02 µg/L
Methoxychlor	0/4	0.19	0.02	0.16/0.20 µg/L
Toxaphene	0/4	0.95	0.10	0.80/1.0 µg/L
<b>EPA8082</b>				
PCB 1016	0/4	0.10	0.0	0.10/0.10 µg/L
PCB 1221	0/4	0.10	0.0	0.10/0.10 µg/L
PCB 1232	0/4	0.10	0.0	0.10/0.10 µg/L
PCB 1242	0/4	0.10	0.0	0.10/0.10 µg/L
PCB 1248	0/4	0.10	0.0	0.10/0.10 µg/L
PCB 1254	0/4	0.10	0.0	0.10/0.10 µg/L
PCB 1260	0/5	0.10	0.0	0.10/0.10 µg/L
<b>EPA8260B</b>				
Acetone	0/12	46.3	143	5.0/500 µg/L
Benzene	0/19	6.21	22.7	1.0/100 µg/L
Bromodichloromethane	0/19	6.21	22.7	1.0/100 µg/L
Bromoform	0/19	6.21	22.7	1.0/100 µg/L
Bromomethane	0/19	6.21	22.7	1.0/100 µg/L
Carbon disulfide	0/12	46.3	143	5.0/500 µg/L
Carbon tetrachloride	0/19	6.21	22.7	1.0/100 µg/L
Chlorobenzene	0/19	6.21	22.7	1.0/100 µg/L
Chloroethane	0/19	6.21	22.7	1.0/100 µg/L
Chloroethene	0/19	6.21	22.7	1.0/100 µg/L
2-Chloroethyl vinyl ether	0/14	40.4	132	5.0/500 µg/L
Chloroform	0/19	6.21	22.7	1.0/100 µg/L
Chloromethane	0/19	6.21	22.7	1.0/100 µg/L
Dibromochloromethane	0/19	6.21	22.7	1.0/100 µg/L
1,1-Dichloroethane	0/19	6.21	22.7	1.0/100 µg/L
1,2-Dichloroethane	0/19	6.21	22.7	1.0/100 µg/L
1,1-Dichloroethylene	0/19	6.21	22.7	1.0/100 µg/L
1,2-Dichloroethylene	0/12	18.5	57.2	2.0/200 µg/L

**Quality Control Samples**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
trans-1,2-Dichloroethylene	0/14	8.07	26.5	1.0/100 µg/L
Dichloromethane	4/19	30.4	114	1.20/500 µg/L
1,2-Dichloropropane	0/19	6.21	22.7	1.0/100 µg/L
cis-1,3-Dichloropropene	0/19	6.21	22.7	1.0/100 µg/L
trans-1,3-Dichloropropene	0/19	6.21	22.7	1.0/100 µg/L
Ethylbenzene	0/19	6.21	22.7	1.0/100 µg/L
2-Hexanone	0/12	46.3	143	5.0/500 µg/L
Methyl ethyl ketone	0/12	92.5	286	10.0/1,000 µg/L
Methyl isobutyl ketone	0/12	46.3	143	5.0/500 µg/L
Styrene	0/12	9.25	28.6	1.0/100 µg/L
1,1,2,2-Tetrachloroethane	0/19	6.21	22.7	1.0/100 µg/L
Tetrachloroethylene	0/19	6.21	22.7	1.0/100 µg/L
Toluene	0/19	6.21	22.7	1.0/100 µg/L
1,1,1-Trichloroethane	0/19	6.21	22.7	1.0/100 µg/L
1,1,2-Trichloroethane	0/19	6.21	22.7	1.0/100 µg/L
Trichloroethylene	0/21	5.71	21.6	1.0/100 µg/L
Trichlorofluoromethane	0/14	40.4	132	5.0/500 µg/L
Vinyl acetate	0/12	46.3	143	5.0/500 µg/L
Xylenes	0/12	18.5	57.2	2.0/200 µg/L
<b>EPA8270C</b>				
Acenaphthene	0/9	10.0	0.0	10.0/10.0 µg/L
Acenaphthylene	0/9	10.0	0.0	10.0/10.0 µg/L
Acetophenone	0/1	10.0	—	10.0/10.0 µg/L
2-Acetylaminofluorene	0/1	10.0	—	10.0/10.0 µg/L
4-Aminobiphenyl	0/1	10.0	—	10.0/10.0 µg/L
Aniline	0/1	10.0	—	10.0/10.0 µg/L
Anthracene	0/9	10.0	0.0	10.0/10.0 µg/L
Aramite	0/1	10.0	—	10.0/10.0 µg/L
Benzidine	0/8	50.0	0.0	50.0/50.0 µg/L
Benzo[a]anthracene	0/9	10.0	0.0	10.0/10.0 µg/L
Benzo[b]fluoranthene	0/9	10.0	0.0	10.0/10.0 µg/L
Benzo[k]fluoranthene	0/9	10.0	0.0	10.0/10.0 µg/L
Benzoic acid	0/8	20.0	0.0	20.0/20.0 µg/L
Benzo[g,h,i]perylene	0/9	10.0	0.0	10.0/10.0 µg/L
Benzo[a]pyrene	0/9	10.0	0.0	10.0/10.0 µg/L
Benzyl alcohol	0/9	10.0	0.0	10.0/10.0 µg/L
Bis(2-chloroethoxy) methane	0/9	10.0	0.0	10.0/10.0 µg/L
Bis(2-chloroethyl) ether	0/9	10.0	0.0	10.0/10.0 µg/L
Bis(2-chloroisopropyl) ether	0/9	10.0	0.0	10.0/10.0 µg/L
Bis(2-ethylhexyl) phthalate	0/13	10.0	0.0	10.0/10.0 µg/L
4-Bromophenyl phenyl ether	0/9	10.0	0.0	10.0/10.0 µg/L
Butylbenzyl phthalate	0/9	10.0	0.0	10.0/10.0 µg/L
4-Chloroaniline	0/9	10.0	0.0	10.0/10.0 µg/L
Chlorobenzilate	0/1	10.0	—	10.0/10.0 µg/L
4-Chloro-m-cresol	0/8	10.0	0.0	10.0/10.0 µg/L
2-Chloronaphthalene	0/9	10.0	0.0	10.0/10.0 µg/L
2-Chlorophenol	0/8	10.0	0.0	10.0/10.0 µg/L
4-Chlorophenyl phenyl ether	0/9	10.0	0.0	10.0/10.0 µg/L
Chrysene	0/9	10.0	0.0	10.0/10.0 µg/L
m/p-Cresol	0/8	10.0	0.0	10.0/10.0 µg/L
o-Cresol	0/8	10.0	0.0	10.0/10.0 µg/L
Diallate	0/1	10.0	—	10.0/10.0 µg/L
Dibenz[a,h]anthracene	0/9	10.0	0.0	10.0/10.0 µg/L
Dibenzofuran	0/9	10.0	0.0	10.0/10.0 µg/L
Di-n-butyl phthalate	0/9	10.0	0.0	10.0/10.0 µg/L
1,2-Dichlorobenzene	0/9	10.0	0.0	10.0/10.0 µg/L
1,3-Dichlorobenzene	0/9	10.0	0.0	10.0/10.0 µg/L
1,4-Dichlorobenzene	0/9	10.0	0.0	10.0/10.0 µg/L
3,3'-Dichlorobenzidine	0/9	20.0	0.0	20.0/20.0 µg/L
2,4-Dichlorophenol	0/8	10.0	0.0	10.0/10.0 µg/L

### Quality Control Samples

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
Diethyl phthalate	0/9	10.0	0.0	10.0/10.0 µg/L
Dimethoate	0/1	10.0	—	10.0/10.0 µg/L
2,4-Dimethyl phenol	0/8	10.0	0.0	10.0/10.0 µg/L
Dimethyl phthalate	0/9	10.0	0.0	10.0/10.0 µg/L
p-Dimethylaminoazobenzene	0/1	10.0	—	10.0/10.0 µg/L
7,12-Dimethylbenz[a]anthracene	0/1	10.0	—	10.0/10.0 µg/L
3,3'-Dimethylbenzidine	0/1	20.0	—	20.0/20.0 µg/L
a,a-Dimethylphenethylamine	0/1	10.0	—	10.0/10.0 µg/L
1,3-Dinitrobenzene	0/1	10.0	—	10.0/10.0 µg/L
2,4-Dinitrophenol	0/8	20.0	0.0	20.0/20.0 µg/L
2,4-Dinitrotoluene	0/9	10.0	0.0	10.0/10.0 µg/L
2,6-Dinitrotoluene	0/9	10.0	0.0	10.0/10.0 µg/L
Di-n-octyl phthalate	0/9	10.0	0.0	10.0/10.0 µg/L
1,4-Dioxane	0/1	10.0	—	10.0/10.0 µg/L
Diphenylamine	0/1	10.0	—	10.0/10.0 µg/L
Disulfoton	0/1	10.0	—	10.0/10.0 µg/L
Ethyl methacrylate	0/1	10.0	—	10.0/10.0 µg/L
Ethyl methanesulfonate	0/1	10.0	—	10.0/10.0 µg/L
Famphur	0/1	10.0	—	10.0/10.0 µg/L
Fluoranthene	0/9	10.0	0.0	10.0/10.0 µg/L
Fluorene	0/9	10.0	0.0	10.0/10.0 µg/L
Hexachlorobenzene	0/9	10.0	0.0	10.0/10.0 µg/L
Hexachlorobutadiene	0/9	10.0	0.0	10.0/10.0 µg/L
Hexachlorocyclopentadiene	0/9	10.0	0.0	10.0/10.0 µg/L
Hexachloroethane	0/9	10.0	0.0	10.0/10.0 µg/L
Hexachloropropene	0/1	10.0	—	10.0/10.0 µg/L
Indeno[1,2,3-c,d]pyrene	0/9	10.0	0.0	10.0/10.0 µg/L
Isodrin	0/1	10.0	—	10.0/10.0 µg/L
Isophorone	0/9	10.0	0.0	10.0/10.0 µg/L
Isosafrole	0/1	10.0	—	10.0/10.0 µg/L
Kepone	0/1	10.0	—	10.0/10.0 µg/L
Methapyrilene	0/1	10.0	—	10.0/10.0 µg/L
2-Methyl-4,6-dinitrophenol	0/8	10.0	0.0	10.0/10.0 µg/L
Methyl methanesulfonate	0/1	10.0	—	10.0/10.0 µg/L
3-Methylcholanthrene	0/1	10.0	—	10.0/10.0 µg/L
2-Methylnaphthalene	0/9	10.0	0.0	10.0/10.0 µg/L
Naphthalene	0/9	10.0	0.0	10.0/10.0 µg/L
1,4-Naphthoquinone	0/1	10.0	—	10.0/10.0 µg/L
1-Naphthylamine	0/1	10.0	—	10.0/10.0 µg/L
2-Naphthylamine	0/1	10.0	—	10.0/10.0 µg/L
m-Nitroaniline	0/9	10.0	0.0	10.0/10.0 µg/L
o-Nitroaniline	0/9	10.0	0.0	10.0/10.0 µg/L
p-Nitroaniline	0/9	10.0	0.0	10.0/10.0 µg/L
Nitrobenzene	0/9	10.0	0.0	10.0/10.0 µg/L
2-Nitrophenol	0/8	10.0	0.0	10.0/10.0 µg/L
4-Nitrophenol	0/8	10.0	0.0	10.0/10.0 µg/L
4-Nitroquinoline-1-oxide	0/1	10.0	—	10.0/10.0 µg/L
N-Nitrosodi-n-butylamine	0/1	10.0	—	10.0/10.0 µg/L
N-Nitrosodiethylamine	0/1	10.0	—	10.0/10.0 µg/L
N-Nitrosodimethylamine	0/1	10.0	—	10.0/10.0 µg/L
N-Nitrosodiphenylamine	0/9	10.0	0.0	10.0/10.0 µg/L
N-Nitrosodipropylamine	0/9	10.0	0.0	10.0/10.0 µg/L
N-Nitrosomethylethylamine	0/1	10.0	—	10.0/10.0 µg/L
N-Nitrosomorpholine	0/1	10.0	—	10.0/10.0 µg/L
N-Nitrosopiperidine	0/1	10.0	—	10.0/10.0 µg/L
N-Nitrosopyrrolidine	0/1	10.0	—	10.0/10.0 µg/L
5-Nitro-o-toluidine	0/1	10.0	—	10.0/10.0 µg/L
Pentachlorobenzene	0/1	10.0	—	10.0/10.0 µg/L
Pentachloroethane	0/1	10.0	—	10.0/10.0 µg/L
Pentachloronitrobenzene	0/1	10.0	—	10.0/10.0 µg/L
Pentachlorophenol	0/8	20.0	0.0	20.0/20.0 µg/L

**Quality Control Samples**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
Phenacetin	0/1	10.0	—	10.0/10.0 µg/L
Phenanthrene	0/9	10.0	0.0	10.0/10.0 µg/L
Phenol	0/8	10.0	0.0	10.0/10.0 µg/L
p-Phenylenediamine	0/1	20.0	—	20.0/20.0 µg/L
2-Picoline	0/1	10.0	—	10.0/10.0 µg/L
Pronamid	0/1	10.0	—	10.0/10.0 µg/L
Pyrene	0/9	10.0	0.0	10.0/10.0 µg/L
Pyridine	0/1	10.0	—	10.0/10.0 µg/L
Safrole	0/1	10.0	—	10.0/10.0 µg/L
Sulfotepp	0/1	10.0	—	10.0/10.0 µg/L
1,2,4,5-Tetrachlorobenzene	0/1	10.0	—	10.0/10.0 µg/L
Thionazin	0/1	10.0	—	10.0/10.0 µg/L
o-Toluidine	0/1	10.0	—	10.0/10.0 µg/L
1,2,4-Trichlorobenzene	0/9	10.0	0.0	10.0/10.0 µg/L
2,4,5-Trichlorophenol	0/8	10.0	0.0	10.0/10.0 µg/L
2,4,6-Trichlorophenol	0/8	10.0	0.0	10.0/10.0 µg/L
O,O,O-Triethyl phosphorothioate	0/1	10.0	—	10.0/10.0 µg/L
1,3,5-Trinitrobenzene	0/1	10.0	—	10.0/10.0 µg/L
<b>EPA8280A</b>				
Heptachlorodibenzo-p-dioxins	0/1	0.00	—	0.00/0.00 ng/L
Hexachlorodibenzo-p-dioxins	0/1	0.00	—	0.00/0.00 ng/L
1,2,3,4,6,7,8-HPCDD	0/1	0.00	—	0.00/0.00 µg/L
1,2,3,4,7,8-HXCDD	0/1	0.00	—	0.00/0.00 µg/L
Octachlorodibenzo-p-dioxin	0/1	0.00	—	0.00/0.00 µg/L
1,2,3,7,8-PCDD	0/1	0.00	—	0.00/0.00 µg/L
Pentachlorodibenzo-p-dioxins	0/1	0.00	—	0.00/0.00 ng/L
2,3,7,8-TCDD	0/1	0.00	—	0.00/0.00 µg/L
Tetrachlorodibenzo-p-dioxins	0/1	0.00	—	0.00/0.00 ng/L
<b>EPA9012A</b>				
Cyanide	0/8	10.0	0.0	10.0/10.0 µg/L
<b>EPA9020B</b>				
Total organic halogens	0/4	10.0	0.0	10.0/10.0 µg/L
<b>EPA9060</b>				
Total organic carbon	0/2	5,000	0.0	5,000/5,000 µg/L
<b>EPA9066</b>				
Phenols	2/5	3.75	1.72	1.76/5.0 µg/L

† Number of times analyte was detected compared to the total number of method blanks for the analyte.  
— Standard deviation cannot be determined.

Notes: A value of 0 is reported as 0.0.

Numbers less than 0.004 are reported as 0.00.

If the analyte was not detected in the method blank(s), detection limit information appears in the *Mean Result* and *Minimum/Maximum Results* columns.

**Table 58. Analytes Detected in Method Blanks for WA**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
<b>EPA160.1</b>				
Total dissolved solids	0/16	50,000	0.0	50,000/50,000 µg/L

**Quality Control Samples**

<i>Analyte</i>	<i>Frequency of Detection†</i>	<i>Mean Result</i>	<i>Standard Deviation</i>	<i>Minimum/Maximum Results</i>
<b>EPA310.1</b> Alkalinity (as CaCO <sub>3</sub> )	0/6	6.70	0.0	6.70/6.70 meq/L
<b>EPA340.2</b> Fluoride	4/4	18.2	4.95	14.4/24.8 µg/L
<b>EPA353.2</b> Nitrate as nitrogen	1/3	15.3	8.08	6.0/20.0 µg/L
Nitrate-nitrite as nitrogen	1/9	18.0	6.0	2.0/20.0 µg/L
<b>EPA365.2</b> Total phosphates (as P)	0/4	67.0	0.0	67.0/67.0 µg/L
<b>EPA410.4</b> Chemical oxygen demand	0/1	32,700	—	32,700/32,700 µg/L
<b>EPA418.1</b> Total petroleum hydrocarbons	0/1	10,000	—	10,000/10,000 µg/L
<b>EPA6010B</b>				
Aluminum	5/21	117	53.1	20.1/146 µg/L
Antimony	0/10	27.0	0.0	27.0/27.0 µg/L
Arsenic	0/19	40.0	0.0	40.0/40.0 µg/L
Barium	12/17	0.87	0.66	0.20/1.80 µg/L
Beryllium	0/4	1.60	0.0	1.60/1.60 µg/L
Boron	0/11	266	0.0	266/266 µg/L
Cadmium	0/18	4.70	0.0	4.70/4.70 µg/L
Calcium	0/10	471	0.0	471/471 µg/L
Chromium	2/19	6.34	1.97	0.75/7.0 µg/L
Cobalt	2/3	2.03	2.14	0.79/4.50 µg/L
Copper	3/9	11.4	5.90	1.50/15.0 µg/L
Iron	11/24	47.9	29.9	11.8/74.0 µg/L
Lead	0/19	47.0	0.0	47.0/47.0 µg/L
Lithium	3/12	2.39	0.57	1.20/2.70 µg/L
Magnesium	2/10	62.4	24.5	15.8/74.0 µg/L
Manganese	0/14	7.80	0.0	7.80/7.80 µg/L
Nickel	0/11	26.0	0.0	26.0/26.0 µg/L
Potassium	4/11	127	83.4	18.7/187 µg/L
Selenium	0/19	66.0	0.0	66.0/66.0 µg/L
Silica	0/6	1,350	0.0	1,350/1,350 µg/L
Silver	0/17	5.0	0.0	5.0/5.0 µg/L
Sodium	4/11	194	126	30.9/285 µg/L
Thallium	0/3	55.0	0.0	55.0/55.0 µg/L
Tin	1/6	60.3	23.8	11.6/70.0 µg/L
Vanadium	0/3	6.90	0.0	6.90/6.90 µg/L
Zinc	0/10	53.0	0.0	53.0/53.0 µg/L
<b>EPA7196A</b> Chromium, hexavalent	0/1	200	—	200/200 µg/L
<b>EPA7470A</b> Mercury	0/15	0.63	0.12	0.45/0.71 µg/L
<b>EPA8021B</b>				
Carbon tetrachloride	0/12	1.0	0.0	1.0/1.0 µg/L
Chloroform	0/12	1.0	0.0	1.0/1.0 µg/L
cis-1,2-Dichloroethylene	0/10	1.0	0.0	1.0/1.0 µg/L
Tetrachloroethylene	0/10	1.0	0.0	1.0/1.0 µg/L

**Quality Control Samples**

<i>Analyte</i>	<i>Frequency of Detection†</i>	<i>Mean Result</i>	<i>Standard Deviation</i>	<i>Minimum/Maximum Results</i>
1,1,1-Trichloroethane	0/12	1.0	0.0	1.0/1.0 µg/L
Trichloroethylene	0/12	1.0	0.0	1.0/1.0 µg/L
<b>EPA8081A</b>				
Aldrin	0/2	0.05	0.0	0.05/0.05 µg/L
alpha-Benzene hexachloride	0/2	0.05	0.0	0.05/0.05 µg/L
beta-Benzene hexachloride	0/2	0.05	0.0	0.05/0.05 µg/L
delta-Benzene hexachloride	0/2	0.05	0.0	0.05/0.05 µg/L
alpha-Chlordane	0/2	0.05	0.0	0.05/0.05 µg/L
gamma-Chlordane	0/2	0.05	0.0	0.05/0.05 µg/L
p,p'-DDD	0/2	0.10	0.0	0.10/0.10 µg/L
p,p'-DDE	0/2	0.10	0.0	0.10/0.10 µg/L
p,p'-DDT	0/2	0.10	0.0	0.10/0.10 µg/L
Dieldrin	0/2	0.10	0.0	0.10/0.10 µg/L
Endosulfan sulfate	0/2	0.10	0.0	0.10/0.10 µg/L
Endosulfan I	0/2	0.05	0.0	0.05/0.05 µg/L
Endosulfan II	0/2	0.10	0.0	0.10/0.10 µg/L
Endrin	0/3	0.10	0.0	0.10/0.10 µg/L
Endrin aldehyde	0/2	0.10	0.0	0.10/0.10 µg/L
Endrin ketone	0/2	0.10	0.0	0.10/0.10 µg/L
Heptachlor	0/2	0.05	0.0	0.05/0.05 µg/L
Heptachlor epoxide	0/2	0.05	0.0	0.05/0.05 µg/L
Lindane	0/3	0.05	0.0	0.05/0.05 µg/L
Methoxychlor	0/2	0.50	0.0	0.50/0.50 µg/L
Toxaphene	0/2	5.0	0.0	5.0/5.0 µg/L
<b>EPA8082</b>				
PCB 1016	0/2	1.0	0.0	1.0/1.0 µg/L
PCB 1221	0/2	2.0	0.0	2.0/2.0 µg/L
PCB 1232	0/2	1.0	0.0	1.0/1.0 µg/L
PCB 1242	0/2	1.0	0.0	1.0/1.0 µg/L
PCB 1248	0/2	1.0	0.0	1.0/1.0 µg/L
PCB 1254	0/2	1.0	0.0	1.0/1.0 µg/L
PCB 1260	0/3	1.0	0.0	1.0/1.0 µg/L
<b>EPA8151A</b>				
2,4-Dichlorophenoxyacetic acid	0/1	1.0	—	1.0/1.0 µg/L
<b>EPA8260B</b>				
Acetone	1/8	9.59	1.16	6.73/10.0 µg/L
Acetonitrile	0/4	20.0	0.0	20.0/20.0 µg/L
Acrolein	0/4	20.0	0.0	20.0/20.0 µg/L
Acrylonitrile	0/4	5.0	0.0	5.0/5.0 µg/L
Allyl chloride	0/4	10.0	0.0	10.0/10.0 µg/L
Benzene	0/35	5.0	0.0	5.0/5.0 µg/L
Bromodichloromethane	0/35	5.0	0.0	5.0/5.0 µg/L
Bromoform	0/35	5.0	0.0	5.0/5.0 µg/L
Bromomethane	2/35	9.60	1.64	3.05/10.0 µg/L
Carbon disulfide	0/8	5.0	0.0	5.0/5.0 µg/L
Carbon tetrachloride	0/35	5.0	0.0	5.0/5.0 µg/L
Chlorobenzene	0/35	5.0	0.0	5.0/5.0 µg/L
Chloroethane	0/35	10.0	0.0	10.0/10.0 µg/L
Chloroethene	0/35	10.0	0.0	10.0/10.0 µg/L
2-Chloroethyl vinyl ether	0/29	10.0	0.0	10.0/10.0 µg/L
Chloroform	0/35	5.0	0.0	5.0/5.0 µg/L
Chloromethane	1/35	9.79	1.26	2.54/10.0 µg/L
Chloroprene	0/4	5.0	0.0	5.0/5.0 µg/L
Dibromochloromethane	0/35	5.0	0.0	5.0/5.0 µg/L
1,2-Dibromo-3-chloropropane	0/4	5.0	0.0	5.0/5.0 µg/L
1,2-Dibromoethane	0/4	5.0	0.0	5.0/5.0 µg/L
Dibromomethane	0/4	5.0	0.0	5.0/5.0 µg/L

**Quality Control Samples**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
1,4-Dichlorobenzene	0/3	5.0	0.0	5.0/5.0 µg/L
trans-1,4-Dichloro-2-butene	0/4	20.0	0.0	20.0/20.0 µg/L
Dichlorodifluoromethane	0/4	10.0	0.0	10.0/10.0 µg/L
1,1-Dichloroethane	0/35	5.0	0.0	5.0/5.0 µg/L
1,2-Dichloroethane	0/35	5.0	0.0	5.0/5.0 µg/L
1,1-Dichloroethylene	0/37	5.0	0.0	5.0/5.0 µg/L
1,2-Dichloroethylene	0/4	5.0	0.0	5.0/5.0 µg/L
cis-1,2-Dichloroethylene	0/3	5.0	0.0	5.0/5.0 µg/L
trans-1,2-Dichloroethylene	0/33	5.0	0.0	5.0/5.0 µg/L
Dichloromethane	26/34	8.31	5.11	3.85/23.2 µg/L
1,2-Dichloropropane	0/35	5.0	0.0	5.0/5.0 µg/L
cis-1,3-Dichloropropene	0/35	5.0	0.0	5.0/5.0 µg/L
trans-1,3-Dichloropropene	0/35	5.0	0.0	5.0/5.0 µg/L
Ethylbenzene	0/35	5.0	0.0	5.0/5.0 µg/L
2-Hexanone	0/8	10.0	0.0	10.0/10.0 µg/L
Iodomethane	0/4	5.0	0.0	5.0/5.0 µg/L
Isobutyl alcohol	0/4	100	0.0	100/100 µg/L
Methacrylonitrile	0/4	10.0	0.0	10.0/10.0 µg/L
Methyl ethyl ketone	0/8	10.0	0.0	10.0/10.0 µg/L
Methyl isobutyl ketone	0/8	10.0	0.0	10.0/10.0 µg/L
Propionitrile	0/4	50.0	0.0	50.0/50.0 µg/L
Styrene	0/8	5.0	0.0	5.0/5.0 µg/L
1,1,1,2-Tetrachloroethane	0/4	5.0	0.0	5.0/5.0 µg/L
1,1,2,2-Tetrachloroethane	0/35	5.0	0.0	5.0/5.0 µg/L
Tetrachloroethylene	1/37	4.90	0.62	1.24/5.0 µg/L
Toluene	0/35	5.0	0.0	5.0/5.0 µg/L
1,1,1-Trichloroethane	0/35	5.0	0.0	5.0/5.0 µg/L
1,1,2-Trichloroethane	0/35	5.0	0.0	5.0/5.0 µg/L
Trichloroethylene	0/35	5.0	0.0	5.0/5.0 µg/L
Trichlorofluoromethane	0/34	4.97	0.17	4.0/5.0 µg/L
1,2,3-Trichloropropane	0/4	5.0	0.0	5.0/5.0 µg/L
Vinyl acetate	0/7	10.0	0.0	10.0/10.0 µg/L
Xylenes	0/35	5.0	0.0	5.0/5.0 µg/L
<b>EPA8270C</b>				
Acenaphthene	0/3	10.0	0.0	10.0/10.0 µg/L
Acenaphthylene	0/3	10.0	0.0	10.0/10.0 µg/L
Acetophenone	0/1	10.0	—	10.0/10.0 µg/L
2-Acetylaminofluorene	0/1	10.0	—	10.0/10.0 µg/L
4-Aminobiphenyl	0/1	10.0	—	10.0/10.0 µg/L
Aniline	0/1	10.0	—	10.0/10.0 µg/L
Anthracene	0/3	10.0	0.0	10.0/10.0 µg/L
Aramite	0/1	20.0	—	20.0/20.0 µg/L
Benzo[a]anthracene	0/3	10.0	0.0	10.0/10.0 µg/L
Benzo[b]fluoranthene	0/3	10.0	0.0	10.0/10.0 µg/L
Benzo[k]fluoranthene	0/3	10.0	0.0	10.0/10.0 µg/L
Benzo[g,h,i]perylene	0/3	10.0	0.0	10.0/10.0 µg/L
Benzo[a]pyrene	0/3	10.0	0.0	10.0/10.0 µg/L
Benzyl alcohol	0/1	10.0	—	10.0/10.0 µg/L
Bis(2-chloroethoxy) methane	0/3	10.0	0.0	10.0/10.0 µg/L
Bis(2-chloroethyl) ether	0/3	10.0	0.0	10.0/10.0 µg/L
Bis(2-chloroisopropyl) ether	0/3	10.0	0.0	10.0/10.0 µg/L
Bis(2-ethylhexyl) phthalate	1/4	12.1	4.20	10.0/18.4 µg/L
4-Bromophenyl phenyl ether	0/3	10.0	0.0	10.0/10.0 µg/L
Butylbenzyl phthalate	0/3	10.0	0.0	10.0/10.0 µg/L
Carbazole	0/2	10.0	0.0	10.0/10.0 µg/L
4-Chloroaniline	0/3	10.0	0.0	10.0/10.0 µg/L
Chlorobenzilate	0/1	10.0	—	10.0/10.0 µg/L
4-Chloro-m-cresol	0/2	10.0	0.0	10.0/10.0 µg/L
2-Chloronaphthalene	0/3	10.0	0.0	10.0/10.0 µg/L
2-Chlorophenol	0/2	10.0	0.0	10.0/10.0 µg/L

**Quality Control Samples**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
4-Chlorophenyl phenyl ether	0/3	10.0	0.0	10.0/10.0 µg/L
Chrysene	0/3	10.0	0.0	10.0/10.0 µg/L
o-Cresol	0/2	10.0	0.0	10.0/10.0 µg/L
p-Cresol	0/2	10.0	0.0	10.0/10.0 µg/L
Diallate	0/1	10.0	—	10.0/10.0 µg/L
Dibenz[a,h]anthracene	0/3	10.0	0.0	10.0/10.0 µg/L
Dibenzofuran	0/3	10.0	0.0	10.0/10.0 µg/L
Di-n-butyl phthalate	0/3	10.0	0.0	10.0/10.0 µg/L
1,2-Dichlorobenzene	0/3	10.0	0.0	10.0/10.0 µg/L
1,3-Dichlorobenzene	0/3	10.0	0.0	10.0/10.0 µg/L
1,4-Dichlorobenzene	0/3	10.0	0.0	10.0/10.0 µg/L
3,3'-Dichlorobenzidine	0/3	16.7	5.77	10.0/20.0 µg/L
2,4-Dichlorophenol	0/2	10.0	0.0	10.0/10.0 µg/L
Diethyl phthalate	0/3	10.0	0.0	10.0/10.0 µg/L
2,4-Dimethyl phenol	0/2	10.0	0.0	10.0/10.0 µg/L
Dimethyl phthalate	0/3	10.0	0.0	10.0/10.0 µg/L
p-Dimethylaminoazobenzene	0/1	10.0	—	10.0/10.0 µg/L
7,12-Dimethylbenz[a]anthracene	0/1	10.0	—	10.0/10.0 µg/L
3,3'-Dimethylbenzidine	0/1	10.0	—	10.0/10.0 µg/L
a,a-Dimethylphenethylamine	0/1	10.0	—	10.0/10.0 µg/L
1,3-Dinitrobenzene	0/1	10.0	—	10.0/10.0 µg/L
2,4-Dinitrophenol	0/2	25.0	0.0	25.0/25.0 µg/L
2,4-Dinitrotoluene	0/3	10.0	0.0	10.0/10.0 µg/L
2,6-Dinitrotoluene	0/3	10.0	0.0	10.0/10.0 µg/L
Di-n-octyl phthalate	0/3	10.0	0.0	10.0/10.0 µg/L
1,4-Dioxane	0/1	10.0	—	10.0/10.0 µg/L
Diphenylamine	0/1	10.0	—	10.0/10.0 µg/L
Ethyl methacrylate	0/1	10.0	—	10.0/10.0 µg/L
Ethyl methanesulfonate	0/1	10.0	—	10.0/10.0 µg/L
Fluoranthene	0/3	10.0	0.0	10.0/10.0 µg/L
Fluorene	0/3	10.0	0.0	10.0/10.0 µg/L
Hexachlorobenzene	0/3	10.0	0.0	10.0/10.0 µg/L
Hexachlorobutadiene	0/3	10.0	0.0	10.0/10.0 µg/L
Hexachlorocyclopentadiene	0/3	10.0	0.0	10.0/10.0 µg/L
Hexachloroethane	0/3	10.0	0.0	10.0/10.0 µg/L
Hexachlorophene	0/1	100	—	100/100 µg/L
Hexachloropropene	0/1	10.0	—	10.0/10.0 µg/L
Indeno[1,2,3-c,d]pyrene	0/3	10.0	0.0	10.0/10.0 µg/L
Isophorone	0/3	10.0	0.0	10.0/10.0 µg/L
Isosafrole	0/1	10.0	—	10.0/10.0 µg/L
Methapyrilene	0/1	10.0	—	10.0/10.0 µg/L
2-Methyl-4,6-dinitrophenol	0/2	25.0	0.0	25.0/25.0 µg/L
Methyl methacrylate	0/1	10.0	—	10.0/10.0 µg/L
Methyl methanesulfonate	0/1	10.0	—	10.0/10.0 µg/L
3-Methylcholanthrene	0/1	10.0	—	10.0/10.0 µg/L
2-Methylnaphthalene	0/3	10.0	0.0	10.0/10.0 µg/L
Naphthalene	0/3	10.0	0.0	10.0/10.0 µg/L
1,4-Naphthoquinone	0/1	10.0	—	10.0/10.0 µg/L
1-Naphthylamine	0/1	10.0	—	10.0/10.0 µg/L
2-Naphthylamine	0/1	10.0	—	10.0/10.0 µg/L
m-Nitroaniline	0/3	25.0	0.0	25.0/25.0 µg/L
o-Nitroaniline	0/3	25.0	0.0	25.0/25.0 µg/L
p-Nitroaniline	0/3	25.0	0.0	25.0/25.0 µg/L
Nitrobenzene	0/3	10.0	0.0	10.0/10.0 µg/L
2-Nitrophenol	0/2	10.0	0.0	10.0/10.0 µg/L
4-Nitrophenol	0/2	25.0	0.0	25.0/25.0 µg/L
4-Nitroquinoline-1-oxide	0/1	20.0	—	20.0/20.0 µg/L
N-Nitrosodi-n-butylamine	0/1	10.0	—	10.0/10.0 µg/L
N-Nitrosodiethylamine	0/1	10.0	—	10.0/10.0 µg/L
N-Nitrosodimethylamine	0/1	10.0	—	10.0/10.0 µg/L
N-Nitrosodiphenylamine	0/3	10.0	0.0	10.0/10.0 µg/L

### Quality Control Samples

<i>Analyte</i>	<i>Frequency of Detection†</i>	<i>Mean Result</i>	<i>Standard Deviation</i>	<i>Minimum/Maximum Results</i>
N-Nitrosodipropylamine	0/3	10.0	0.0	10.0/10.0 µg/L
N-Nitrosomethylethylamine	0/1	10.0	—	10.0/10.0 µg/L
N-Nitrosomorpholine	0/1	10.0	—	10.0/10.0 µg/L
N-Nitrosopiperidine	0/1	50.0	—	50.0/50.0 µg/L
N-Nitrosopyrrolidine	0/1	10.0	—	10.0/10.0 µg/L
5-Nitro-o-toluidine	0/1	10.0	—	10.0/10.0 µg/L
Pentachlorobenzene	0/1	10.0	—	10.0/10.0 µg/L
Pentachloroethane	0/1	10.0	—	10.0/10.0 µg/L
Pentachloronitrobenzene	0/1	50.0	—	50.0/50.0 µg/L
Pentachlorophenol	0/2	25.0	0.0	25.0/25.0 µg/L
Phenacetin	0/1	10.0	—	10.0/10.0 µg/L
Phenanthrene	0/3	10.0	0.0	10.0/10.0 µg/L
Phenol	0/3	10.0	0.0	10.0/10.0 µg/L
p-Phenylenediamine	0/1	10.0	—	10.0/10.0 µg/L
2-Picoline	0/1	10.0	—	10.0/10.0 µg/L
Pronamid	0/1	10.0	—	10.0/10.0 µg/L
Pyrene	0/3	10.0	0.0	10.0/10.0 µg/L
Pyridine	0/1	10.0	—	10.0/10.0 µg/L
Safrole	0/1	10.0	—	10.0/10.0 µg/L
1,2,4,5-Tetrachlorobenzene	0/1	10.0	—	10.0/10.0 µg/L
o-Toluidine	0/1	10.0	—	10.0/10.0 µg/L
1,2,4-Trichlorobenzene	0/3	10.0	0.0	10.0/10.0 µg/L
2,4,5-Trichlorophenol	0/2	25.0	0.0	25.0/25.0 µg/L
2,4,6-Trichlorophenol	0/2	10.0	0.0	10.0/10.0 µg/L
1,3,5-Trinitrobenzene	0/1	10.0	—	10.0/10.0 µg/L
<b>EPA8280A</b>				
Octachlorodibenzo-p-dioxin	0/1	2.60	—	2.60/2.60 ng/L
<b>EPA9014</b>				
Cyanide	0/4	15.2	0.0	15.2/15.2 µg/L
<b>EPA9020B</b>				
Total organic halogens	0/48	120	0.0	120/120 µg/L
<b>EPA9050A</b>				
Specific conductance	0/6	8.90	0.0	8.90/8.90 µS/cm
<b>EPA9056</b>				
Chloride	0/4	210	0.0	210/210 µg/L
Sulfate	2/10	296	93.2	119/340 µg/L
<b>EPA9060</b>				
Total organic carbon	4/13	730	422	114/1,000 µg/L
<b>EPA9066</b>				
Phenols	0/5	37.0	0.0	37.0/37.0 µg/L

† Number of times analyte was detected compared to the total number of method blanks for the analyte.

— Standard deviation cannot be determined.

Note: If the analyte was not detected in the method blank(s), detection limit information appears in the *Mean Result* and *Minimum/Maximum Results* columns.

### Quality Control Samples

**Table 59. Analytes Detected in Method Blanks for ML**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
<b>EPA8260B</b>				
Acetone	1/1	5.70	—	5.70/5.70 µg/L
Benzene	0/1	1.0	—	1.0/1.0 µg/L
Bromodichloromethane	0/1	1.0	—	1.0/1.0 µg/L
Bromoform	0/1	1.0	—	1.0/1.0 µg/L
Bromomethane	0/1	1.0	—	1.0/1.0 µg/L
Carbon disulfide	0/1	5.0	—	5.0/5.0 µg/L
Carbon tetrachloride	0/1	1.0	—	1.0/1.0 µg/L
Chlorobenzene	0/1	1.0	—	1.0/1.0 µg/L
Chloroethane	0/1	1.0	—	1.0/1.0 µg/L
Chloroethene	0/1	1.0	—	1.0/1.0 µg/L
Chloroform	0/1	1.0	—	1.0/1.0 µg/L
Chloromethane	0/1	1.0	—	1.0/1.0 µg/L
Dibromochloromethane	0/1	1.0	—	1.0/1.0 µg/L
1,1-Dichloroethane	0/1	1.0	—	1.0/1.0 µg/L
1,2-Dichloroethane	0/1	1.0	—	1.0/1.0 µg/L
1,1-Dichloroethylene	0/1	1.0	—	1.0/1.0 µg/L
1,2-Dichloroethylene	0/1	1.0	—	1.0/1.0 µg/L
cis-1,2-Dichloroethylene	0/1	1.0	—	1.0/1.0 µg/L
trans-1,2-Dichloroethylene	0/1	1.0	—	1.0/1.0 µg/L
Dichloromethane	1/1	2.63	—	2.63/2.63 µg/L
1,2-Dichloropropane	0/1	1.0	—	1.0/1.0 µg/L
cis-1,3-Dichloropropene	0/1	1.0	—	1.0/1.0 µg/L
trans-1,3-Dichloropropene	0/1	1.0	—	1.0/1.0 µg/L
Ethylbenzene	0/1	1.0	—	1.0/1.0 µg/L
2-Hexanone	0/1	5.0	—	5.0/5.0 µg/L
Methyl ethyl ketone	0/1	5.0	—	5.0/5.0 µg/L
Methyl isobutyl ketone	0/1	5.0	—	5.0/5.0 µg/L
Styrene	0/1	1.0	—	1.0/1.0 µg/L
1,1,2,2-Tetrachloroethane	0/1	1.0	—	1.0/1.0 µg/L
Tetrachloroethylene	0/1	1.0	—	1.0/1.0 µg/L
Toluene	0/1	1.0	—	1.0/1.0 µg/L
1,1,1-Trichloroethane	0/1	1.0	—	1.0/1.0 µg/L
1,1,2-Trichloroethane	0/1	1.0	—	1.0/1.0 µg/L
Trichloroethylene	0/1	1.0	—	1.0/1.0 µg/L
Vinyl acetate	0/1	5.0	—	5.0/5.0 µg/L
Xylenes	0/1	1.0	—	1.0/1.0 µg/L

† Number of times analyte was detected compared to the total number of method blanks for the analyte.

— Standard deviation cannot be determined.

Note: If the analyte was not detected in the method blank(s), detection limit information appears in the *Mean Result* and *Minimum/Maximum Results* columns.

**Table 60. Analytes Detected in Method Blanks for GP**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
<b>EPIA-001</b>				
Gross alpha	0/27	1.09E-10	2.00E-10	-2.69E-10/5.30E-10 µCi/mL
Nonvolatile beta	0/27	1.79E-10	3.62E-10	-4.58E-10/7.86E-10 µCi/mL

### Quality Control Samples

<i>Analyte</i>	<i>Frequency of Detection†</i>	<i>Mean Result</i>	<i>Standard Deviation</i>	<i>Minimum/Maximum Results</i>
<b>EPIA-002</b> Tritium	0/23	-2.13E-08	1.69E-07	-3.10E-07/3.22E-07 µCi/mL
<b>EPIA-003</b> Carbon-14	0/11	1.87E-09	4.54E-09	-5.66E-09/7.04E-09 µCi/mL
<b>EPIA-004</b> Strontium-89/90	0/4	4.60E-10	2.22E-10	2.33E-10/6.50E-10 µCi/mL
Strontium-90	0/10	1.09E-10	5.27E-10	-4.42E-10/9.14E-10 µCi/mL
<b>EPIA-005</b> Technetium-99	0/5	-1.71E-09	2.73E-09	-4.61E-09/1.96E-09 µCi/mL
<b>EPIA-006</b> Iodine-129	0/7	3.44E-10	2.68E-10	1.01E-10/8.85E-10 µCi/mL
<b>EPIA-008</b> Radium-226	0/8	2.24E-10	8.79E-11	5.21E-11/3.60E-10 µCi/mL
<b>EPIA-009</b> Radium-228	0/7	-7.46E-10	1.23E-09	-2.80E-09/2.44E-10 µCi/mL
<b>EPIA-010</b> Radium, total alpha-emitting	0/8	-6.25E-11	2.26E-10	-3.00E-10/4.00E-10 µCi/mL
<b>EPIA-011</b> Americium-241	0/4	8.23E-12	1.09E-11	-2.19E-12/1.92E-11 µCi/mL
Curium-242	0/4	1.68E-11	2.24E-11	0.0/4.73E-11 µCi/mL
Curium-243/244	0/4	-4.00E-12	1.42E-11	-2.38E-11/9.74E-12 µCi/mL
Curium-245/246	1/4	1.15E-11	1.32E-11	0.0/3.03E-11 µCi/mL
Plutonium-238	0/4	2.89E-11	4.18E-11	0.0/8.87E-11 µCi/mL
Plutonium-239/240	0/4	1.35E-11	2.91E-11	-4.91E-12/5.69E-11 µCi/mL
Uranium-233/234	1/6	3.12E-11	6.64E-11	-3.75E-12/1.66E-10 µCi/mL
Uranium-235	0/6	7.00E-12	7.64E-12	-2.31E-12/1.60E-11 µCi/mL
Uranium-238	1/6	1.43E-11	1.41E-11	5.32E-12/4.26E-11 µCi/mL
<b>EPIA-012</b> Thorium-228	0/4	1.17E-12	1.69E-11	-1.22E-11/2.35E-11 µCi/mL
Thorium-230	0/4	2.08E-11	9.62E-12	6.55E-12/2.77E-11 µCi/mL
Thorium-232	0/4	2.62E-12	6.16E-12	-1.34E-12/1.18E-11 µCi/mL
<b>EPIA-013</b> Actinium-228	0/8	5.46E-09	2.80E-09	-1.44E-10/8.09E-09 µCi/mL
Antimony-125	0/8	-5.58E-10	2.43E-09	-4.76E-09/3.08E-09 µCi/mL
Cerium-144	0/8	-6.16E-10	2.98E-09	-4.47E-09/4.47E-09 µCi/mL
Cesium-134	0/8	2.72E-10	8.59E-10	-7.01E-10/1.44E-09 µCi/mL
Cesium-137	0/8	-5.81E-10	7.76E-10	-1.87E-09/5.45E-10 µCi/mL
Cobalt-57	0/8	2.18E-11	6.80E-10	-1.11E-09/8.30E-10 µCi/mL
Cobalt-60	0/8	3.33E-10	1.08E-09	-1.29E-09/2.10E-09 µCi/mL
Europium-152	0/8	9.36E-10	3.51E-09	-3.89E-09/7.07E-09 µCi/mL
Europium-154	0/8	1.98E-10	3.90E-09	-5.87E-09/7.04E-09 µCi/mL
Europium-155	0/8	-1.61E-09	2.17E-09	-4.73E-09/1.30E-09 µCi/mL
Lead-212	0/8	3.00E-09	1.84E-09	3.29E-10/5.78E-09 µCi/mL
Manganese-54	0/8	-2.27E-11	6.55E-10	-1.17E-09/7.16E-10 µCi/mL
Potassium-40	3/8	3.15E-08	2.22E-08	4.07E-09/7.24E-08 µCi/mL
Promethium-144	0/8	2.96E-10	1.81E-09	-1.55E-09/3.82E-09 µCi/mL

**Quality Control Samples**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
Promethium-146	0/8	-4.95E-10	1.64E-09	-2.28E-09/1.54E-09 µCi/mL
Ruthenium-106	0/8	2.43E-09	2.77E-09	-1.08E-09/6.13E-09 µCi/mL
Sodium-22	0/8	8.84E-11	1.39E-09	-2.10E-09/2.51E-09 µCi/mL
Yttrium-88	0/8	2.97E-10	9.92E-10	-8.18E-10/1.97E-09 µCi/mL
Zinc-65	0/8	-5.32E-10	8.31E-10	-1.93E-09/8.68E-10 µCi/mL
<b>EPIA-022</b>				
Nickel-63	0/2	-4.19E-09	5.66E-09	-8.19E-09/-1.88E-10 µCi/mL

† Number of times analyte was detected compared to the total number of method blanks for the analyte.

Note: If the analyte was not detected in the method blank(s), detection limit information appears in the *Mean Result* and *Minimum/Maximum Results* columns.

**Table 61. Analytes Detected in Method Blanks for TM**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
<b>EICHROMTC1MOD</b>				
Technetium-99	0/1	6.40E-10	—	6.40E-10/6.40E-10 µCi/mL
<b>EMLSR02MOD</b>				
Strontium-90	1/3	3.37E-10	6.81E-10	-1.10E-10/1.12E-09 µCi/mL
<b>EPA900.0MOD</b>				
Gross alpha	2/55	-2.07E-11	1.69E-10	-2.60E-10/7.90E-10 µCi/mL
Nonvolatile beta	1/51	-2.15E-10	4.49E-10	-9.90E-10/2.09E-09 µCi/mL
<b>EPA901.1MOD</b>				
Cesium-137	0/2	1.69E-09	1.81E-09	4.10E-10/2.97E-09 µCi/mL
Cobalt-60	0/2	-3.25E-10	9.83E-10	-1.02E-09/3.70E-10 µCi/mL
<b>EPA902.0MOD</b>				
Iodine-129	0/1	2.90E-10	—	2.90E-10/2.90E-10 µCi/mL
<b>EPA903.0MOD</b>				
Radium, total alpha-emitting	0/4	6.25E-11	2.21E-10	-1.10E-10/3.80E-10 µCi/mL
Radium-226	0/2	1.05E-10	9.19E-11	4.00E-11/1.70E-10 µCi/mL
<b>EPA904.0MOD</b>				
Radium-228	0/2	2.50E-10	2.55E-10	7.00E-11/4.30E-10 µCi/mL
<b>EPA906.0MOD</b>				
Tritium	1/57	4.93E-08	2.01E-07	-3.50E-07/1.08E-06 µCi/mL

† Number of times analyte was detected compared to the total number of method blanks for the analyte.

— Standard deviation cannot be determined.

Note: If the analyte was not detected in the method blank(s), detection limit information appears in the *Mean Result* and *Minimum/Maximum Results* columns.

### Quality Control Samples

**Table 62. Analytes Detected in Field Blanks for EX**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
<b>EPA120.1</b> Specific conductance	1/1	2.23	—	2.23/2.23 µS/cm
<b>EPA150.1</b> pH	2/2	5.56	0.01	5.55/5.57 pH
<b>EPA300.0</b> Chloride	0/2	200	0.0	200/200 µg/L
Nitrate as nitrogen	0/3	100	0.0	100/100 µg/L
Nitrate-nitrite as nitrogen	0/2	500	0.0	500/500 µg/L
Sulfate	1/2	153	67.2	105/200 µg/L
<b>EPA410.4</b> Chemical oxygen demand	0/1	10,000	—	10,000/10,000 µg/L
<b>EPA6010B</b> Aluminum	0/6	200	0.0	200/200 µg/L
Antimony	0/1	100	—	100/100 µg/L
Arsenic	0/3	10.0	0.0	10.0/10.0 µg/L
Barium	0/4	10.0	0.0	10.0/10.0 µg/L
Beryllium	0/1	10.0	—	10.0/10.0 µg/L
Boron	0/3	100	0.0	100/100 µg/L
Cadmium	0/3	10.0	0.0	10.0/10.0 µg/L
Calcium	0/1	1,000	—	1,000/1,000 µg/L
Chromium	0/3	10.0	0.0	10.0/10.0 µg/L
Cobalt	0/1	20.0	—	20.0/20.0 µg/L
Copper	0/1	20.0	—	20.0/20.0 µg/L
Iron	2/6	113	95.3	19.0/200 µg/L
Lead	0/6	10.0	0.0	10.0/10.0 µg/L
Magnesium	0/1	1,000	—	1,000/1,000 µg/L
Manganese	1/4	8.18	3.65	2.70/10.0 µg/L
Nickel	0/1	50.0	—	50.0/50.0 µg/L
Potassium	0/1	5,000	—	5,000/5,000 µg/L
Selenium	0/3	10.0	0.0	10.0/10.0 µg/L
Silver	0/3	20.0	0.0	20.0/20.0 µg/L
Sodium	0/1	1,000	—	1,000/1,000 µg/L
Thallium	0/2	10.0	0.0	10.0/10.0 µg/L
Vanadium	0/1	10.0	—	10.0/10.0 µg/L
Zinc	0/1	20.0	—	20.0/20.0 µg/L
<b>EPA7470A</b> Mercury	1/6	0.46	0.10	0.25/0.50 µg/L
<b>EPA9014</b> Cyanide	0/2	10.0	0.0	10.0/10.0 µg/L
<b>EPA9060</b> Total organic carbon	0/1	5,000	—	5,000/5,000 µg/L

† Number of times analyte was detected compared to the total number of field blanks for the analyte.

— Standard deviation cannot be determined.

Note: If the analyte was not detected in the field blank(s), detection limit information appears in the *Mean Result* and *Minimum/Maximum Results* columns.

**Quality Control Samples**

**Table 63. Analytes Detected in Field Blanks for GE**

<i>Analyte</i>	<i>Frequency of Detection†</i>	<i>Mean Result</i>	<i>Standard Deviation</i>	<i>Minimum/Maximum Results</i>
<b>EPA353.1</b>				
Nitrate-nitrite as nitrogen	7/14	28.6	19.6	10.0/50.0 µg/L
<b>EPA6010B</b>				
Aluminum	0/3	50.0	0.0	50.0/50.0 µg/L
Antimony	0/2	10.0	0.0	10.0/10.0 µg/L
Arsenic	0/2	5.0	0.0	5.0/5.0 µg/L
Barium	0/2	5.0	0.0	5.0/5.0 µg/L
Beryllium	0/3	5.0	0.0	5.0/5.0 µg/L
Cadmium	0/2	5.0	0.0	5.0/5.0 µg/L
Calcium	0/2	100	0.0	100/100 µg/L
Chromium	0/3	5.0	0.0	5.0/5.0 µg/L
Cobalt	0/2	5.0	0.0	5.0/5.0 µg/L
Copper	0/2	5.0	0.0	5.0/5.0 µg/L
Iron	0/3	50.0	0.0	50.0/50.0 µg/L
Lead	0/2	5.0	0.0	5.0/5.0 µg/L
Magnesium	0/2	10.0	0.0	10.0/10.0 µg/L
Manganese	0/2	10.0	0.0	10.0/10.0 µg/L
Nickel	0/2	5.0	0.0	5.0/5.0 µg/L
Potassium	0/2	100	0.0	100/100 µg/L
Selenium	0/2	5.0	0.0	5.0/5.0 µg/L
Silver	0/2	5.0	0.0	5.0/5.0 µg/L
Sodium	0/2	500	0.0	500/500 µg/L
Thallium	0/2	5.0	0.0	5.0/5.0 µg/L
Vanadium	0/2	5.0	0.0	5.0/5.0 µg/L
Zinc	0/2	3.50	2.13	1.99/5.0 µg/L
<b>EPA6020</b>				
Aluminum	0/5	15.0	0.0	15.0/15.0 µg/L
Cadmium	0/5	0.86	0.31	0.31/1.0 µg/L
Iron	1/5	26.3	2.95	25.0/31.6 µg/L
Lead	0/5	1.36	0.88	0.37/2.0 µg/L
<b>EPA7196A</b>				
Chromium, hexavalent	0/2	20.0	0.0	20.0/20.0 µg/L
<b>EPA7470A</b>				
Mercury	0/9	0.20	0.0	0.20/0.20 µg/L
<b>EPA8081A</b>				
Aldrin	0/2	0.02	0.00	0.02/0.02 µg/L
alpha-Benzene hexachloride	0/2	0.02	0.00	0.02/0.02 µg/L
beta-Benzene hexachloride	0/2	0.02	0.00	0.02/0.02 µg/L
delta-Benzene hexachloride	0/2	0.02	0.00	0.02/0.02 µg/L
alpha-Chlordane	0/2	0.02	0.00	0.02/0.02 µg/L
gamma-Chlordane	0/2	0.02	0.00	0.02/0.02 µg/L
p,p'-DDD	0/2	0.04	0.00	0.04/0.04 µg/L
p,p'-DDE	0/2	0.04	0.00	0.04/0.04 µg/L
p,p'-DDT	0/2	0.04	0.00	0.04/0.04 µg/L
Dieldrin	0/2	0.04	0.00	0.04/0.04 µg/L
Endosulfan sulfate	0/2	0.04	0.00	0.04/0.04 µg/L
Endosulfan I	0/2	0.02	0.00	0.02/0.02 µg/L
Endosulfan II	0/2	0.04	0.00	0.04/0.04 µg/L
Endrin	0/2	0.04	0.00	0.04/0.04 µg/L
Endrin aldehyde	0/2	0.04	0.00	0.04/0.04 µg/L
Endrin ketone	0/2	0.04	0.00	0.04/0.04 µg/L
Heptachlor	0/2	0.02	0.00	0.02/0.02 µg/L
Heptachlor epoxide	0/2	0.02	0.00	0.02/0.02 µg/L

**Quality Control Samples**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
Lindane	0/2	0.02	0.00	0.02/0.02 µg/L
Methoxychlor	0/2	0.20	0.00	0.20/0.20 µg/L
Toxaphene	0/2	1.01	0.01	1.0/1.01 µg/L
<b>EPA8082</b>				
PCB 1016	0/2	0.10	0.0	0.10/0.10 µg/L
PCB 1221	0/2	0.10	0.0	0.10/0.10 µg/L
PCB 1232	0/2	0.10	0.0	0.10/0.10 µg/L
PCB 1242	0/2	0.10	0.0	0.10/0.10 µg/L
PCB 1248	0/2	0.10	0.0	0.10/0.10 µg/L
PCB 1254	0/2	0.10	0.0	0.10/0.10 µg/L
PCB 1260	0/2	0.10	0.0	0.10/0.10 µg/L
<b>EPA8270C</b>				
Acenaphthene	0/2	9.95	0.07	9.90/10.0 µg/L
Acenaphthylene	0/2	9.95	0.07	9.90/10.0 µg/L
Anthracene	0/2	9.95	0.07	9.90/10.0 µg/L
Benzidine	0/2	49.8	0.35	49.5/50.0 µg/L
Benzo[a]anthracene	0/2	9.95	0.07	9.90/10.0 µg/L
Benzo[b]fluoranthene	0/2	9.95	0.07	9.90/10.0 µg/L
Benzo[k]fluoranthene	0/2	9.95	0.07	9.90/10.0 µg/L
Benzoic acid	0/2	19.9	0.14	19.8/20.0 µg/L
Benzo[g,h,i]perylene	0/2	9.95	0.07	9.90/10.0 µg/L
Benzo[a]pyrene	0/2	9.95	0.07	9.90/10.0 µg/L
Benzyl alcohol	0/2	9.95	0.07	9.90/10.0 µg/L
Bis(2-chloroethoxy) methane	0/2	9.95	0.07	9.90/10.0 µg/L
Bis(2-chloroethyl) ether	0/2	9.95	0.07	9.90/10.0 µg/L
Bis(2-chloroisopropyl) ether	0/2	9.95	0.07	9.90/10.0 µg/L
Bis(2-ethylhexyl) phthalate	2/3	27.5	17.5	10.2/45.1 µg/L
4-Bromophenyl phenyl ether	0/2	9.95	0.07	9.90/10.0 µg/L
Butylbenzyl phthalate	0/2	9.95	0.07	9.90/10.0 µg/L
4-Chloroaniline	0/2	9.95	0.07	9.90/10.0 µg/L
4-Chloro-m-cresol	0/2	9.95	0.07	9.90/10.0 µg/L
2-Chloronaphthalene	0/2	9.95	0.07	9.90/10.0 µg/L
2-Chlorophenol	0/2	9.95	0.07	9.90/10.0 µg/L
4-Chlorophenyl phenyl ether	0/2	9.95	0.07	9.90/10.0 µg/L
Chrysene	0/2	9.95	0.07	9.90/10.0 µg/L
m/p-Cresol	0/2	9.95	0.07	9.90/10.0 µg/L
o-Cresol	0/2	9.95	0.07	9.90/10.0 µg/L
Dibenz[a,h]anthracene	0/2	9.95	0.07	9.90/10.0 µg/L
Dibenzofuran	0/2	9.95	0.07	9.90/10.0 µg/L
Di-n-butyl phthalate	0/2	9.95	0.07	9.90/10.0 µg/L
1,2-Dichlorobenzene	0/2	9.95	0.07	9.90/10.0 µg/L
1,3-Dichlorobenzene	0/2	9.95	0.07	9.90/10.0 µg/L
1,4-Dichlorobenzene	0/2	9.95	0.07	9.90/10.0 µg/L
3,3'-Dichlorobenzidine	0/2	19.9	0.14	19.8/20.0 µg/L
2,4-Dichlorophenol	0/2	9.95	0.07	9.90/10.0 µg/L
Diethyl phthalate	0/2	9.95	0.07	9.90/10.0 µg/L
2,4-Dimethyl phenol	0/2	9.95	0.07	9.90/10.0 µg/L
Dimethyl phthalate	0/2	9.95	0.07	9.90/10.0 µg/L
2,4-Dinitrophenol	0/2	19.9	0.14	19.8/20.0 µg/L
2,4-Dinitrotoluene	0/2	9.95	0.07	9.90/10.0 µg/L
2,6-Dinitrotoluene	0/2	9.95	0.07	9.90/10.0 µg/L
Di-n-octyl phthalate	0/2	9.95	0.07	9.90/10.0 µg/L
Fluoranthene	0/2	9.95	0.07	9.90/10.0 µg/L
Fluorene	0/2	9.95	0.07	9.90/10.0 µg/L
Hexachlorobenzene	0/2	9.95	0.07	9.90/10.0 µg/L
Hexachlorobutadiene	0/2	9.95	0.07	9.90/10.0 µg/L
Hexachlorocyclopentadiene	0/2	9.95	0.07	9.90/10.0 µg/L
Hexachloroethane	0/2	9.95	0.07	9.90/10.0 µg/L
Indeno[1,2,3-c,d]pyrene	0/2	9.95	0.07	9.90/10.0 µg/L

**Quality Control Samples**

<i>Analyte</i>	<i>Frequency of Detection†</i>	<i>Mean Result</i>	<i>Standard Deviation</i>	<i>Minimum/Maximum Results</i>
Isophorone	0/2	9.95	0.07	9.90/10.0 µg/L
2-Methyl-4,6-dinitrophenol	0/2	9.95	0.07	9.90/10.0 µg/L
2-Methylnaphthalene	0/2	9.95	0.07	9.90/10.0 µg/L
Naphthalene	0/2	9.95	0.07	9.90/10.0 µg/L
m-Nitroaniline	0/2	9.95	0.07	9.90/10.0 µg/L
o-Nitroaniline	0/2	9.95	0.07	9.90/10.0 µg/L
p-Nitroaniline	0/2	9.95	0.07	9.90/10.0 µg/L
Nitrobenzene	0/2	9.95	0.07	9.90/10.0 µg/L
2-Nitrophenol	0/2	9.95	0.07	9.90/10.0 µg/L
4-Nitrophenol	0/2	9.95	0.07	9.90/10.0 µg/L
N-Nitrosodiphenylamine	0/2	9.95	0.07	9.90/10.0 µg/L
N-Nitrosodipropylamine	0/2	9.95	0.07	9.90/10.0 µg/L
Pentachlorophenol	0/2	19.9	0.14	19.8/20.0 µg/L
Phenanthrene	0/2	9.95	0.07	9.90/10.0 µg/L
Phenol	0/2	9.95	0.07	9.90/10.0 µg/L
Pyrene	0/2	9.95	0.07	9.90/10.0 µg/L
1,2,4-Trichlorobenzene	0/2	9.95	0.07	9.90/10.0 µg/L
2,4,5-Trichlorophenol	0/2	9.95	0.07	9.90/10.0 µg/L
2,4,6-Trichlorophenol	0/2	9.95	0.07	9.90/10.0 µg/L
<b>EPA9012A</b>				
Cyanide	0/3	10.0	0.0	10.0/10.0 µg/L
<b>EPA9020B</b>				
Total organic halogens	1/1	5.04	—	5.04/5.04 µg/L
<b>EPA9040B</b>				
pH	20/20	5.60	0.56	4.62/6.71 pH
<b>EPA9050A</b>				
Specific conductance	19/19	3.02	3.53	1.01/11.3 µS/cm

† Number of times analyte was detected compared to the total number of field blanks for the analyte.

— Standard deviation cannot be determined.

Notes: A value of 0 is reported as 0.0.

Numbers less than 0.004 are reported as 0.00.

If the analyte was not detected in the field blank(s), detection limit information appears in the *Mean Result* and *Minimum/Maximum Results* columns.

**Table 64. Analytes Detected in Field Blanks for WA**

<i>Analyte</i>	<i>Frequency of Detection†</i>	<i>Mean Result</i>	<i>Standard Deviation</i>	<i>Minimum/Maximum Results</i>
<b>EPA160.1</b>				
Total dissolved solids	0/4	50,000	0.0	50,000/50,000 µg/L
<b>EPA310.1</b>				
Alkalinity (as CaCO <sub>3</sub> )	2/3	3.05	3.17	0.98/6.70 meq/L
<b>EPA6010B</b>				
Aluminum	0/3	106	69.7	25.2/146 µg/L
Antimony	0/2	27.0	0.0	27.0/27.0 µg/L
Arsenic	0/3	40.0	0.0	40.0/40.0 µg/L
Barium	0/2	1.80	0.0	1.80/1.80 µg/L
Boron	0/2	266	0.0	266/266 µg/L

### Quality Control Samples

<i>Analyte</i>	<i>Frequency of Detection†</i>	<i>Mean Result</i>	<i>Standard Deviation</i>	<i>Minimum/Maximum Results</i>
Cadmium	0/2	4.70	0.0	4.70/4.70 µg/L
Chromium	0/3	7.0	0.0	7.0/7.0 µg/L
Copper	0/2	15.0	0.0	15.0/15.0 µg/L
Iron	0/3	65.8	14.3	49.3/74.0 µg/L
Lead	0/2	47.0	0.0	47.0/47.0 µg/L
Lithium	0/2	2.70	0.0	2.70/2.70 µg/L
Manganese	0/1	7.80	—	7.80/7.80 µg/L
Nickel	0/2	26.0	0.0	26.0/26.0 µg/L
Selenium	0/2	66.0	0.0	66.0/66.0 µg/L
Silver	0/2	2.91	2.96	0.82/5.0 µg/L
Tin	0/2	70.0	0.0	70.0/70.0 µg/L
Zinc	0/2	53.0	0.0	53.0/53.0 µg/L
<b>EPA7470A</b>				
Mercury	0/2	0.70	0.0	0.70/0.70 µg/L
<b>EPA8081A</b>				
Endrin	0/1	0.10	—	0.10/0.10 µg/L
<b>EPA8082</b>				
PCB 1260	0/1	1.03	—	1.03/1.03 µg/L
<b>EPA8260B</b>				
Benzene	0/1	5.0	—	5.0/5.0 µg/L
Bromodichloromethane	0/1	5.0	—	5.0/5.0 µg/L
Bromoform	0/1	5.0	—	5.0/5.0 µg/L
Bromomethane	0/1	10.0	—	10.0/10.0 µg/L
Carbon tetrachloride	0/1	5.0	—	5.0/5.0 µg/L
Chlorobenzene	0/1	5.0	—	5.0/5.0 µg/L
Chloroethane	0/1	10.0	—	10.0/10.0 µg/L
Chloroethene	0/1	10.0	—	10.0/10.0 µg/L
2-Chloroethyl vinyl ether	0/1	10.0	—	10.0/10.0 µg/L
Chloroform	0/1	5.0	—	5.0/5.0 µg/L
Chloromethane	0/1	10.0	—	10.0/10.0 µg/L
Dibromochloromethane	0/1	5.0	—	5.0/5.0 µg/L
1,1-Dichloroethane	0/1	5.0	—	5.0/5.0 µg/L
1,2-Dichloroethane	0/1	5.0	—	5.0/5.0 µg/L
1,1-Dichloroethylene	0/1	5.0	—	5.0/5.0 µg/L
trans-1,2-Dichloroethylene	0/1	5.0	—	5.0/5.0 µg/L
Dichloromethane	0/1	4.57	—	4.57/4.57 µg/L
1,2-Dichloropropane	0/1	5.0	—	5.0/5.0 µg/L
cis-1,3-Dichloropropene	0/1	5.0	—	5.0/5.0 µg/L
trans-1,3-Dichloropropene	0/1	5.0	—	5.0/5.0 µg/L
Ethylbenzene	0/1	5.0	—	5.0/5.0 µg/L
1,1,2,2-Tetrachloroethane	0/1	5.0	—	5.0/5.0 µg/L
Tetrachloroethylene	0/1	5.0	—	5.0/5.0 µg/L
Toluene	0/1	5.0	—	5.0/5.0 µg/L
1,1,1-Trichloroethane	0/1	5.0	—	5.0/5.0 µg/L
1,1,2-Trichloroethane	0/1	5.0	—	5.0/5.0 µg/L
Trichloroethylene	0/1	5.0	—	5.0/5.0 µg/L
Trichlorofluoromethane	0/1	5.0	—	5.0/5.0 µg/L
Xylenes	0/1	5.0	—	5.0/5.0 µg/L
<b>EPA8270C</b>				
Acenaphthene	0/1	10.2	—	10.2/10.2 µg/L
Acenaphthylene	0/1	10.2	—	10.2/10.2 µg/L
Acetophenone	0/1	10.2	—	10.2/10.2 µg/L
2-Acetylaminofluorene	0/1	10.2	—	10.2/10.2 µg/L
4-Aminobiphenyl	0/1	10.2	—	10.2/10.2 µg/L
Aniline	0/1	10.2	—	10.2/10.2 µg/L
Anthracene	0/1	10.2	—	10.2/10.2 µg/L

**Quality Control Samples**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
Aramite	0/1	20.4	—	20.4/20.4 µg/L
Benzo[a]anthracene	0/1	10.2	—	10.2/10.2 µg/L
Benzo[b]fluoranthene	0/1	10.2	—	10.2/10.2 µg/L
Benzo[k]fluoranthene	0/1	10.2	—	10.2/10.2 µg/L
Benzo[g,h,i]perylene	0/1	10.2	—	10.2/10.2 µg/L
Benzo[a]pyrene	0/1	10.2	—	10.2/10.2 µg/L
Benzyl alcohol	0/1	10.2	—	10.2/10.2 µg/L
Bis(2-chloroethoxy) methane	0/1	10.2	—	10.2/10.2 µg/L
Bis(2-chloroethyl) ether	0/1	10.2	—	10.2/10.2 µg/L
Bis(2-chloroisopropyl) ether	0/1	10.2	—	10.2/10.2 µg/L
Bis(2-ethylhexyl) phthalate	0/1	10.2	—	10.2/10.2 µg/L
4-Bromophenyl phenyl ether	0/1	10.2	—	10.2/10.2 µg/L
Butylbenzyl phthalate	0/1	10.2	—	10.2/10.2 µg/L
4-Chloroaniline	0/1	10.2	—	10.2/10.2 µg/L
Chlorobenzilate	0/1	10.2	—	10.2/10.2 µg/L
2-Chloronaphthalene	0/1	10.2	—	10.2/10.2 µg/L
4-Chlorophenyl phenyl ether	0/1	10.2	—	10.2/10.2 µg/L
Chrysene	0/1	10.2	—	10.2/10.2 µg/L
Diallate	0/1	10.2	—	10.2/10.2 µg/L
Dibenz[a,h]anthracene	0/1	10.2	—	10.2/10.2 µg/L
Dibenzofuran	0/1	10.2	—	10.2/10.2 µg/L
Di-n-butyl phthalate	0/1	10.2	—	10.2/10.2 µg/L
1,2-Dichlorobenzene	0/1	10.2	—	10.2/10.2 µg/L
1,3-Dichlorobenzene	0/1	10.2	—	10.2/10.2 µg/L
1,4-Dichlorobenzene	0/1	10.2	—	10.2/10.2 µg/L
3,3'-Dichlorobenzidine	0/1	10.2	—	10.2/10.2 µg/L
Diethyl phthalate	0/1	10.2	—	10.2/10.2 µg/L
Dimethyl phthalate	0/1	10.2	—	10.2/10.2 µg/L
p-Dimethylaminoazobenzene	0/1	10.2	—	10.2/10.2 µg/L
7,12-Dimethylbenz[a]anthracene	0/1	10.2	—	10.2/10.2 µg/L
3,3'-Dimethylbenzidine	0/1	10.2	—	10.2/10.2 µg/L
a,a-Dimethylphenethylamine	0/1	10.2	—	10.2/10.2 µg/L
1,3-Dinitrobenzene	0/1	10.2	—	10.2/10.2 µg/L
2,4-Dinitrotoluene	0/1	10.2	—	10.2/10.2 µg/L
2,6-Dinitrotoluene	0/1	10.2	—	10.2/10.2 µg/L
Di-n-octyl phthalate	0/1	10.2	—	10.2/10.2 µg/L
1,4-Dioxane	0/1	10.2	—	10.2/10.2 µg/L
Diphenylamine	0/1	10.2	—	10.2/10.2 µg/L
Ethyl methacrylate	0/1	10.2	—	10.2/10.2 µg/L
Ethyl methanesulfonate	0/1	10.2	—	10.2/10.2 µg/L
Fluoranthene	0/1	10.2	—	10.2/10.2 µg/L
Fluorene	0/1	10.2	—	10.2/10.2 µg/L
Hexachlorobenzene	0/1	10.2	—	10.2/10.2 µg/L
Hexachlorobutadiene	0/1	10.2	—	10.2/10.2 µg/L
Hexachlorocyclopentadiene	0/1	10.2	—	10.2/10.2 µg/L
Hexachloroethane	0/1	10.2	—	10.2/10.2 µg/L
Hexachlorophene	0/1	102	—	102/102 µg/L
Hexachloropropene	0/1	10.2	—	10.2/10.2 µg/L
Indeno[1,2,3-c,d]pyrene	0/1	10.2	—	10.2/10.2 µg/L
Isophorone	0/1	10.2	—	10.2/10.2 µg/L
Isosafrole	0/1	10.2	—	10.2/10.2 µg/L
Methapyrilene	0/1	10.2	—	10.2/10.2 µg/L
Methyl methacrylate	0/1	10.2	—	10.2/10.2 µg/L
Methyl methanesulfonate	0/1	10.2	—	10.2/10.2 µg/L
3-Methylcholanthrene	0/1	10.2	—	10.2/10.2 µg/L
2-Methylnaphthalene	0/1	10.2	—	10.2/10.2 µg/L
Naphthalene	0/1	10.2	—	10.2/10.2 µg/L
1,4-Naphthoquinone	0/1	10.2	—	10.2/10.2 µg/L
1-Naphthylamine	0/1	10.2	—	10.2/10.2 µg/L
2-Naphthylamine	0/1	10.2	—	10.2/10.2 µg/L
m-Nitroaniline	0/1	25.5	—	25.5/25.5 µg/L

**Quality Control Samples**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
o-Nitroaniline	0/1	25.5	—	25.5/25.5 µg/L
p-Nitroaniline	0/1	25.5	—	25.5/25.5 µg/L
Nitrobenzene	0/1	10.2	—	10.2/10.2 µg/L
4-Nitroquinoline-1-oxide	0/1	20.4	—	20.4/20.4 µg/L
N-Nitrosodi-n-butylamine	0/1	10.2	—	10.2/10.2 µg/L
N-Nitrosodiethylamine	0/1	10.2	—	10.2/10.2 µg/L
N-Nitrosodimethylamine	0/1	10.2	—	10.2/10.2 µg/L
N-Nitrosodiphenylamine	0/1	10.2	—	10.2/10.2 µg/L
N-Nitrosodipropylamine	0/1	10.2	—	10.2/10.2 µg/L
N-Nitrosomethylethylamine	0/1	10.2	—	10.2/10.2 µg/L
N-Nitrosomorpholine	0/1	10.2	—	10.2/10.2 µg/L
N-Nitrosopiperidine	0/1	51.0	—	51.0/51.0 µg/L
N-Nitrosopyrrolidine	0/1	10.2	—	10.2/10.2 µg/L
5-Nitro-o-toluidine	0/1	10.2	—	10.2/10.2 µg/L
Pentachlorobenzene	0/1	10.2	—	10.2/10.2 µg/L
Pentachloroethane	0/1	10.2	—	10.2/10.2 µg/L
Pentachloronitrobenzene	0/1	51.0	—	51.0/51.0 µg/L
Phenacetin	0/1	10.2	—	10.2/10.2 µg/L
Phenanthrene	0/1	10.2	—	10.2/10.2 µg/L
p-Phenylenediamine	0/1	10.2	—	10.2/10.2 µg/L
2-Picoline	0/1	10.2	—	10.2/10.2 µg/L
Pronamid	0/1	10.2	—	10.2/10.2 µg/L
Pyrene	0/1	10.2	—	10.2/10.2 µg/L
Pyridine	0/1	10.2	—	10.2/10.2 µg/L
Safrole	0/1	10.2	—	10.2/10.2 µg/L
1,2,4,5-Tetrachlorobenzene	0/1	10.2	—	10.2/10.2 µg/L
o-Toluidine	0/1	10.2	—	10.2/10.2 µg/L
1,2,4-Trichlorobenzene	0/1	10.2	—	10.2/10.2 µg/L
1,3,5-Trinitrobenzene	0/1	10.2	—	10.2/10.2 µg/L
<b>EPA8280A</b>				
Octachlorodibenzo-p-dioxin	0/1	3.20	—	3.20/3.20 ng/L
<b>EPA9020B</b>				
Total organic halogens	0/3	120	0.0	120/120 µg/L
<b>EPA9056</b>				
Sulfate	1/2	303	52.3	266/340 µg/L
<b>EPA9060</b>				
Total organic carbon	2/2	1,140	302	923/1,350 µg/L
<b>EPA9066</b>				
Phenols	0/2	37.0	0.0	37.0/37.0 µg/L

† Number of times analyte was detected compared to the total number of field blanks for the analyte.

— Standard deviation cannot be determined.

Note: If the analyte was not detected in the field blank(s), detection limit information appears in the Mean *Result* and *Minimum/Maximum Results* columns.

### Quality Control Samples

**Table 65. Analytes Detected in Field Blanks for GP**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
<b>EPIA-001</b>				
Gross alpha	0/19	1.16E-10	1.74E-10	-7.93E-11/4.12E-10 µCi/mL
Nonvolatile beta	0/18	2.13E-11	2.74E-10	-5.95E-10/3.93E-10 µCi/mL
<b>EPIA-002</b>				
Tritium	1/16	1.74E-05	7.03E-05	-3.82E-07/2.81E-04 µCi/mL
<b>EPIA-003</b>				
Carbon-14	0/6	4.83E-11	4.19E-09	-3.82E-09/7.87E-09 µCi/mL
<b>EPIA-004</b>				
Strontium-90	0/5	-1.51E-10	5.27E-10	-7.20E-10/4.28E-10 µCi/mL
<b>EPIA-005</b>				
Technetium-99	0/1	-1.57E-09	—	-1.57E-09/-1.57E-09 µCi/mL
<b>EPIA-006</b>				
Iodine-129	0/2	3.07E-10	6.29E-11	2.62E-10/3.51E-10 µCi/mL
<b>EPIA-008</b>				
Radium-226	0/2	4.69E-10	4.24E-12	4.66E-10/4.72E-10 µCi/mL
<b>EPIA-009</b>				
Radium-228	0/1	4.25E-10	—	4.25E-10/4.25E-10 µCi/mL
<b>EPIA-010</b>				
Radium, total alpha-emitting	0/3	-3.33E-11	3.06E-10	-3.00E-10/3.00E-10 µCi/mL
<b>EPIA-011</b>				
Uranium-233/234	0/1	2.24E-11	—	2.24E-11/2.24E-11 µCi/mL
Uranium-235	0/1	0.0	—	0.0/0.0 µCi/mL
Uranium-238	0/1	2.66E-11	—	2.66E-11/2.66E-11 µCi/mL
<b>EPIA-013</b>				
Actinium-228	0/3	6.98E-09	6.08E-09	3.40E-09/1.40E-08 µCi/mL
Antimony-125	0/3	6.97E-10	5.53E-09	-5.18E-09/5.81E-09 µCi/mL
Cerium-144	0/3	4.44E-09	4.88E-09	-5.86E-10/9.15E-09 µCi/mL
Cesium-134	0/3	-1.54E-10	4.63E-10	-4.61E-10/3.78E-10 µCi/mL
Cesium-137	0/3	-7.93E-11	1.23E-09	-1.47E-09/8.53E-10 µCi/mL
Cobalt-57	0/3	-3.60E-11	9.15E-10	-7.32E-10/1.00E-09 µCi/mL
Cobalt-60	0/3	4.49E-10	6.10E-10	-2.30E-10/9.50E-10 µCi/mL
Europium-152	0/3	6.70E-10	2.75E-09	-2.34E-09/3.05E-09 µCi/mL
Europium-154	0/3	-6.63E-10	1.54E-09	-2.44E-09/2.49E-10 µCi/mL
Europium-155	0/3	-1.62E-09	3.69E-09	-5.49E-09/1.86E-09 µCi/mL
Lead-212	0/3	2.56E-09	1.68E-09	6.45E-10/3.79E-09 µCi/mL
Manganese-54	0/3	5.03E-10	1.46E-10	3.37E-10/6.12E-10 µCi/mL
Potassium-40	0/3	5.85E-09	8.92E-09	-4.04E-09/1.33E-08 µCi/mL
Promethium-144	0/3	3.06E-10	1.22E-09	-1.01E-09/1.39E-09 µCi/mL
Promethium-146	0/3	-2.78E-10	8.78E-10	-1.06E-09/6.72E-10 µCi/mL
Ruthenium-106	0/3	-5.19E-09	1.92E-09	-6.94E-09/-3.13E-09 µCi/mL

**Quality Control Samples**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
Sodium-22	0/3	-2.32E-10	5.49E-10	-8.65E-10/1.04E-10 µCi/mL
Yttrium-88	0/3	1.71E-09	4.12E-10	1.24E-09/2.02E-09 µCi/mL
Zinc-65	0/3	-1.43E-09	4.44E-10	-1.74E-09/-9.18E-10 µCi/mL

† Number of times analyte was detected compared to the total number of field blanks for the analyte.  
 — Standard deviation cannot be determined.

Note: If the analyte was not detected in the field blank(s), detection limit information appears in the *Mean Result* and *Minimum/Maximum Results* columns.

**Table 66. Analytes Detected in Field Blanks for TM**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
<b>EPA900.0MOD</b>				
Gross alpha	1/8	2.63E-10	2.63E-10	-1.30E-10/6.10E-10 µCi/mL
Nonvolatile beta	0/6	-1.27E-10	1.13E-09	-2.10E-09/1.31E-09 µCi/mL
<b>EPA903.0MOD</b>				
Radium, total alpha-emitting	0/1	3.60E-10	—	3.60E-10/3.60E-10 µCi/mL
<b>EPA906.0MOD</b>				
Tritium	0/6	2.67E-08	1.69E-07	-1.70E-07/2.90E-07 µCi/mL

† Number of times analyte was detected compared to the total number of field blanks for the analyte.  
 — Standard deviation cannot be determined.

Note: If the analyte was not detected in the field blank(s), detection limit information appears in the *Mean Result* and *Minimum/Maximum Results* columns.

**Table 67. Analytes Detected in Trip Blanks for EX**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
<b>EPA8021B</b>				
Carbon tetrachloride	0/5	1.0	0.0	1.0/1.0 µg/L
Chloroform	0/5	1.0	0.0	1.0/1.0 µg/L
cis-1,2-Dichloroethylene	0/5	1.0	0.0	1.0/1.0 µg/L
Tetrachloroethylene	0/5	1.0	0.0	1.0/1.0 µg/L
1,1,1-Trichloroethane	0/5	1.0	0.0	1.0/1.0 µg/L
Trichloroethylene	0/5	1.0	0.0	1.0/1.0 µg/L
<b>EPA8260B</b>				
Acetone	0/4	10.0	0.0	10.0/10.0 µg/L
Acetonitrile	0/2	500	0.0	500/500 µg/L
Acrolein	0/3	50.0	0.0	50.0/50.0 µg/L
Acrylonitrile	0/3	50.0	0.0	50.0/50.0 µg/L
Allyl chloride	0/2	10.0	0.0	10.0/10.0 µg/L
Benzene	0/11	5.0	0.0	5.0/5.0 µg/L
Bromodichloromethane	0/11	5.0	0.0	5.0/5.0 µg/L

**Quality Control Samples**

<i>Analyte</i>	<i>Frequency of Detection†</i>	<i>Mean Result</i>	<i>Standard Deviation</i>	<i>Minimum/Maximum Results</i>
Bromoform	0/11	5.0	0.0	5.0/5.0 µg/L
Bromomethane	0/11	5.0	0.0	5.0/5.0 µg/L
Carbon disulfide	0/4	5.0	0.0	5.0/5.0 µg/L
Carbon tetrachloride	0/11	5.0	0.0	5.0/5.0 µg/L
Chlorobenzene	0/11	5.0	0.0	5.0/5.0 µg/L
Chloroethane	0/11	10.0	0.0	10.0/10.0 µg/L
Chloroethene	0/11	5.0	0.0	5.0/5.0 µg/L
2-Chloroethyl vinyl ether	0/7	5.0	0.0	5.0/5.0 µg/L
Chloroform	0/11	5.0	0.0	5.0/5.0 µg/L
Chloromethane	0/11	5.0	0.0	5.0/5.0 µg/L
Chloroprene	0/2	50.0	0.0	50.0/50.0 µg/L
Dibromochloromethane	0/11	5.0	0.0	5.0/5.0 µg/L
1,2-Dibromo-3-chloropropane	0/2	5.0	0.0	5.0/5.0 µg/L
1,2-Dibromoethane	0/2	5.0	0.0	5.0/5.0 µg/L
Dibromomethane	0/2	5.0	0.0	5.0/5.0 µg/L
1,2-Dichlorobenzene	0/3	5.0	0.0	5.0/5.0 µg/L
1,3-Dichlorobenzene	0/3	5.0	0.0	5.0/5.0 µg/L
1,4-Dichlorobenzene	0/3	5.0	0.0	5.0/5.0 µg/L
trans-1,4-Dichloro-2-butene	0/2	20.0	0.0	20.0/20.0 µg/L
Dichlorodifluoromethane	0/2	5.0	0.0	5.0/5.0 µg/L
1,1-Dichloroethane	0/11	5.0	0.0	5.0/5.0 µg/L
1,2-Dichloroethane	0/11	5.0	0.0	5.0/5.0 µg/L
1,1-Dichloroethylene	0/11	5.0	0.0	5.0/5.0 µg/L
1,2-Dichloroethylene	0/2	1.0	0.0	1.0/1.0 µg/L
cis-1,2-Dichloroethylene	0/2	5.0	0.0	5.0/5.0 µg/L
trans-1,2-Dichloroethylene	0/9	5.0	0.0	5.0/5.0 µg/L
Dichloromethane	2/11	4.57	1.01	1.90/5.0 µg/L
1,2-Dichloropropane	0/11	5.0	0.0	5.0/5.0 µg/L
cis-1,3-Dichloropropene	0/11	5.0	0.0	5.0/5.0 µg/L
trans-1,3-Dichloropropene	0/11	5.0	0.0	5.0/5.0 µg/L
1,4-Dioxane	0/2	1,000	0.0	1,000/1,000 µg/L
Ethyl methacrylate	0/2	5.0	0.0	5.0/5.0 µg/L
Ethylbenzene	0/11	5.0	0.0	5.0/5.0 µg/L
2-Hexanone	0/4	5.0	0.0	5.0/5.0 µg/L
Iodomethane	0/2	5.0	0.0	5.0/5.0 µg/L
Isobutyl alcohol	0/2	1,500	0.0	1,500/1,500 µg/L
Methacrylonitrile	0/2	500	0.0	500/500 µg/L
Methyl ethyl ketone	0/4	10.0	0.0	10.0/10.0 µg/L
Methyl isobutyl ketone	0/4	5.0	0.0	5.0/5.0 µg/L
Methyl methacrylate	0/2	50.0	0.0	50.0/50.0 µg/L
Pentachloroethane	0/2	200	0.0	200/200 µg/L
Propionitrile	0/2	500	0.0	500/500 µg/L
Styrene	0/4	5.0	0.0	5.0/5.0 µg/L
1,1,1,2-Tetrachloroethane	0/2	5.0	0.0	5.0/5.0 µg/L
1,1,2,2-Tetrachloroethane	0/11	5.0	0.0	5.0/5.0 µg/L
Tetrachloroethylene	0/11	5.0	0.0	5.0/5.0 µg/L
Toluene	0/11	5.0	0.0	5.0/5.0 µg/L
1,1,1-Trichloroethane	0/11	5.0	0.0	5.0/5.0 µg/L
1,1,2-Trichloroethane	0/11	5.0	0.0	5.0/5.0 µg/L
Trichloroethylene	0/11	5.0	0.0	5.0/5.0 µg/L
Trichlorofluoromethane	0/8	5.0	0.0	5.0/5.0 µg/L
1,2,3-Trichloropropane	0/2	5.0	0.0	5.0/5.0 µg/L
Vinyl acetate	0/4	20.0	0.0	20.0/20.0 µg/L
Xylenes	0/4	10.0	0.0	10.0/10.0 µg/L

† Number of times analyte was detected compared to the total number of trip blanks for the analyte.

Note: If the analyte was not detected in the trip blank(s), detection limit information appears in the *Mean Result* and *Minimum/Maximum Results* columns.

### Quality Control Samples

**Table 68. Analytes Detected in Trip Blanks for GE**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
<b>EPA8260B</b>				
Acetone	0/5	5.0	0.0	5.0/5.0 µg/L
Benzene	0/11	1.0	0.0	1.0/1.0 µg/L
Bromodichloromethane	0/11	1.0	0.0	1.0/1.0 µg/L
Bromoform	0/11	1.0	0.0	1.0/1.0 µg/L
Bromomethane	0/11	1.0	0.0	1.0/1.0 µg/L
Carbon disulfide	0/5	5.0	0.0	5.0/5.0 µg/L
Carbon tetrachloride	0/11	1.0	0.0	1.0/1.0 µg/L
Chlorobenzene	0/11	1.0	0.0	1.0/1.0 µg/L
Chloroethane	0/11	1.0	0.0	1.0/1.0 µg/L
Chloroethene	0/11	1.0	0.0	1.0/1.0 µg/L
2-Chloroethyl vinyl ether	0/6	5.0	0.0	5.0/5.0 µg/L
Chloroform	0/11	1.0	0.0	1.0/1.0 µg/L
Chloromethane	0/11	1.0	0.0	1.0/1.0 µg/L
Dibromochloromethane	0/11	1.0	0.0	1.0/1.0 µg/L
1,1-Dichloroethane	0/11	1.0	0.0	1.0/1.0 µg/L
1,2-Dichloroethane	0/11	1.0	0.0	1.0/1.0 µg/L
1,1-Dichloroethylene	0/11	1.0	0.0	1.0/1.0 µg/L
1,2-Dichloroethylene	0/5	2.0	0.0	2.0/2.0 µg/L
trans-1,2-Dichloroethylene	0/6	1.0	0.0	1.0/1.0 µg/L
Dichloromethane	6/11	2.44	1.32	1.34/5.0 µg/L
1,2-Dichloropropane	0/11	1.0	0.0	1.0/1.0 µg/L
cis-1,3-Dichloropropene	0/11	1.0	0.0	1.0/1.0 µg/L
trans-1,3-Dichloropropene	0/11	1.0	0.0	1.0/1.0 µg/L
Ethylbenzene	0/11	1.0	0.0	1.0/1.0 µg/L
2-Hexanone	0/5	5.0	0.0	5.0/5.0 µg/L
Methyl ethyl ketone	0/5	10.0	0.0	10.0/10.0 µg/L
Methyl isobutyl ketone	0/5	5.0	0.0	5.0/5.0 µg/L
Styrene	0/5	1.0	0.0	1.0/1.0 µg/L
1,1,2,2-Tetrachloroethane	0/11	1.0	0.0	1.0/1.0 µg/L
Tetrachloroethylene	0/11	1.0	0.0	1.0/1.0 µg/L
Toluene	0/11	1.0	0.0	1.0/1.0 µg/L
1,1,1-Trichloroethane	0/11	1.0	0.0	1.0/1.0 µg/L
1,1,2-Trichloroethane	0/11	1.0	0.0	1.0/1.0 µg/L
Trichloroethylene	0/13	1.0	0.0	1.0/1.0 µg/L
Trichlorofluoromethane	0/6	5.0	0.0	5.0/5.0 µg/L
Vinyl acetate	0/5	5.0	0.0	5.0/5.0 µg/L
Xylenes	0/5	2.0	0.0	2.0/2.0 µg/L

† Number of times analyte was detected compared to the total number of trip blanks for the analyte.

Note: If the analyte was not detected in the trip blank(s), detection limit information appears in the *Mean Result* and *Minimum/Maximum Results* columns.

**Table 69. Analytes Detected in Trip Blanks for WA**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
<b>EPA8021B</b>				
Carbon tetrachloride	1/10	1.02	0.06	1.0/1.20 µg/L
Chloroform	0/10	1.0	0.0	1.0/1.0 µg/L
cis-1,2-Dichloroethylene	0/10	1.0	0.0	1.0/1.0 µg/L

### Quality Control Samples

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
Tetrachloroethylene	1/10	1.11	0.35	1.0/2.10 µg/L
1,1,1-Trichloroethane	0/10	1.0	0.0	1.0/1.0 µg/L
Trichloroethylene	0/10	1.0	0.0	1.0/1.0 µg/L
<b>EPA8260B</b>				
Acetone	0/3	10.0	0.0	10.0/10.0 µg/L
Benzene	0/21	5.0	0.0	5.0/5.0 µg/L
Bromodichloromethane	0/21	5.0	0.0	5.0/5.0 µg/L
Bromoform	0/21	5.0	0.0	5.0/5.0 µg/L
Bromomethane	0/21	10.0	0.0	10.0/10.0 µg/L
Carbon disulfide	0/3	5.0	0.0	5.0/5.0 µg/L
Carbon tetrachloride	0/21	5.0	0.0	5.0/5.0 µg/L
Chlorobenzene	0/21	5.0	0.0	5.0/5.0 µg/L
Chloroethane	0/21	10.0	0.0	10.0/10.0 µg/L
Chloroethene	0/21	10.0	0.0	10.0/10.0 µg/L
2-Chloroethyl vinyl ether	0/18	10.0	0.0	10.0/10.0 µg/L
Chloroform	0/21	5.0	0.0	5.0/5.0 µg/L
Chloromethane	0/21	10.0	0.0	10.0/10.0 µg/L
Dibromochloromethane	0/21	5.0	0.0	5.0/5.0 µg/L
1,1-Dichloroethane	0/21	5.0	0.0	5.0/5.0 µg/L
1,2-Dichloroethane	0/21	5.0	0.0	5.0/5.0 µg/L
1,1-Dichloroethylene	0/21	5.0	0.0	5.0/5.0 µg/L
1,2-Dichloroethylene	0/3	5.0	0.0	5.0/5.0 µg/L
trans-1,2-Dichloroethylene	0/18	5.0	0.0	5.0/5.0 µg/L
Dichloromethane	2/21	6.27	2.14	4.07/10.9 µg/L
1,2-Dichloropropane	0/21	5.0	0.0	5.0/5.0 µg/L
cis-1,3-Dichloropropene	0/21	5.0	0.0	5.0/5.0 µg/L
trans-1,3-Dichloropropene	0/21	5.0	0.0	5.0/5.0 µg/L
Ethylbenzene	0/21	5.0	0.0	5.0/5.0 µg/L
2-Hexanone	0/3	10.0	0.0	10.0/10.0 µg/L
Methyl ethyl ketone	0/3	10.0	0.0	10.0/10.0 µg/L
Methyl isobutyl ketone	0/3	10.0	0.0	10.0/10.0 µg/L
Styrene	0/3	5.0	0.0	5.0/5.0 µg/L
1,1,2,2-Tetrachloroethane	0/21	5.0	0.0	5.0/5.0 µg/L
Tetrachloroethylene	0/21	5.0	0.0	5.0/5.0 µg/L
Toluene	0/21	5.0	0.0	5.0/5.0 µg/L
1,1,1-Trichloroethane	0/21	5.0	0.0	5.0/5.0 µg/L
1,1,2-Trichloroethane	0/21	5.0	0.0	5.0/5.0 µg/L
Trichloroethylene	0/21	5.0	0.0	5.0/5.0 µg/L
Trichlorofluoromethane	0/18	5.0	0.0	5.0/5.0 µg/L
Vinyl acetate	0/3	10.0	0.0	10.0/10.0 µg/L
Xylenes	0/21	5.0	0.0	5.0/5.0 µg/L

† Number of times analyte was detected compared to the total number of trip blanks for the analyte.

Note: If the analyte was not detected in the trip blank(s), detection limit information appears in the *Mean Result* and *Minimum/Maximum Results* columns.

**Table 70. Analytes Detected in Trip Blanks for ML**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
<b>EPA8260B</b>				
Acetone	0/1	7.17	—	7.17/7.17 µg/L
Benzene	0/1	1.0	—	1.0/1.0 µg/L
Bromodichloromethane	0/1	1.0	—	1.0/1.0 µg/L

**Quality Control Samples**

Analyte	Frequency of Detection†	Mean Result	Standard Deviation	Minimum/Maximum Results
Bromoform	0/1	1.0	—	1.0/1.0 µg/L
Bromomethane	0/1	1.0	—	1.0/1.0 µg/L
Carbon disulfide	0/1	5.0	—	5.0/5.0 µg/L
Carbon tetrachloride	0/1	1.0	—	1.0/1.0 µg/L
Chlorobenzene	0/1	1.0	—	1.0/1.0 µg/L
Chloroethane	0/1	1.0	—	1.0/1.0 µg/L
Chloroethene	0/1	1.0	—	1.0/1.0 µg/L
Chloroform	0/1	1.0	—	1.0/1.0 µg/L
Chloromethane	0/1	1.0	—	1.0/1.0 µg/L
Dibromochloromethane	0/1	1.0	—	1.0/1.0 µg/L
1,1-Dichloroethane	0/1	1.0	—	1.0/1.0 µg/L
1,2-Dichloroethane	0/1	1.0	—	1.0/1.0 µg/L
1,1-Dichloroethylene	0/1	1.0	—	1.0/1.0 µg/L
1,2-Dichloroethylene	0/1	1.0	—	1.0/1.0 µg/L
cis-1,2-Dichloroethylene	0/1	1.0	—	1.0/1.0 µg/L
trans-1,2-Dichloroethylene	0/1	1.0	—	1.0/1.0 µg/L
Dichloromethane	0/1	4.87	—	4.87/4.87 µg/L
1,2-Dichloropropane	0/1	1.0	—	1.0/1.0 µg/L
cis-1,3-Dichloropropene	0/1	1.0	—	1.0/1.0 µg/L
trans-1,3-Dichloropropene	0/1	1.0	—	1.0/1.0 µg/L
Ethylbenzene	0/1	1.0	—	1.0/1.0 µg/L
2-Hexanone	0/1	5.0	—	5.0/5.0 µg/L
Methyl ethyl ketone	0/1	5.0	—	5.0/5.0 µg/L
Methyl isobutyl ketone	0/1	5.0	—	5.0/5.0 µg/L
Styrene	0/1	1.0	—	1.0/1.0 µg/L
1,1,2,2-Tetrachloroethane	0/1	1.0	—	1.0/1.0 µg/L
Tetrachloroethylene	0/1	1.0	—	1.0/1.0 µg/L
Toluene	0/1	1.0	—	1.0/1.0 µg/L
1,1,1-Trichloroethane	0/1	1.0	—	1.0/1.0 µg/L
1,1,2-Trichloroethane	0/1	1.0	—	1.0/1.0 µg/L
Trichloroethylene	0/1	1.0	—	1.0/1.0 µg/L
Vinyl acetate	0/1	5.0	—	5.0/5.0 µg/L
Xylenes	0/1	1.0	—	1.0/1.0 µg/L

† Number of times analyte was detected compared to the total number of trip blanks for the analyte.  
— Standard deviation cannot be determined.

Note: If the analyte was not detected in the trip blank(s), detection limit information appears in the *Mean Result* and *Minimum/Maximum Results* columns.

**Table 71. Sampled Wells with Metal Casings**

Well	Casing	Well	Casing
RSA 8	Steel	RWM 13B	Carbon steel
RSD 1	Steel	RWM 13C	Carbon steel
RSD 3	Steel	RWM 14B	Carbon steel
RSE 1A	Steel	RWM 14C	Carbon steel
RSE 2	Steel	RWM 15B	Carbon steel
RSE 7	Steel	TNX 13D	Stainless steel
RSE 8	Steel	TNX 14D	Stainless steel
RWM 1	Carbon steel	TNX 15D	Stainless steel
RWM 3	Carbon steel	TNX 16D	Stainless steel
RWM 4	Carbon steel	TNX 17D	Stainless steel
RWM 5	Carbon steel	TNX 18D	Stainless steel
RWM 6	Carbon steel	TNX 19D	Stainless steel
RWM 7	Carbon steel	TNX 20D	Stainless steel

**Quality Control Samples**

<i>Well</i>	<i>Casing</i>	<i>Well</i>	<i>Casing</i>
RWM 8	Carbon steel	TNX 21D	Stainless steel
RWM 9	Carbon steel	TNX 22D	Stainless steel
RWM 10	Carbon steel	TNX 26D	Stainless steel
RWM 11	Carbon steel		

**Table 72. Wells That Had Turbidity Greater Than 15 NTU**

<i>Well</i>	<i>Date</i>	<i>Results (in NTU)</i>
DCB 27	05/12/99	33.0
DCB 30	05/12/99	40.9
FBP 10D	06/15/99	42.5
FSB119D	04/09/99	121
HSB152D	04/23/99	154
KDB 3	06/21/99	15.7
KDB 5	04/27/99	18.8
KDB 5	05/21/99	51.8
KDB 5	06/21/99	18.2
LDB 1	04/27/99	18.4
LDB 2	04/27/99	17.4
LDB 2	05/21/99	31.5
LDB 2	06/21/99	16.0
LDB 4	05/21/99	19.1
RSD 1	05/14/99	22.0
RSD 1	06/17/99	32.0
RSE 7	05/14/99	61.0
RSE 7	06/17/99	34.0
RWM 12	06/14/99	35.0
SRW 17DR	05/05/99	46.7
SRW 18	05/12/99	86.1
TBG 6	05/07/99	44.6
TCM 3	05/06/99	48.0
TNX 21D	05/03/99	23.0

# Site Index

Table 73 provides information about sites, locations, and well series. Some site names and locations were not available.

**Table 73. Sites and Locations by Well Series**

<i>Well Series</i>	<i>Site</i>	<i>Location</i>
ABP	A-Area Metals Burning Pit	South of the burning/rubble pits
ABW	A Area near Firing Range	North of Road D-1 and east of Road 1-7
AC	A-Area Cluster Perimeter Wells and M-Area Plume Definition Wells	
ACB	A-Area Coal Pile Runoff Containment Basin	Southeast of A Area
AMB	Metallurgical Laboratory Seepage Basin	At the eastern edge of A Area
AMP	A-Area Rubble Pile	
AOB	Motor Shop Oil Basin	At the south edge of A Area near NPDES Outfall A-14
ARP	A-Area Burning/Rubble Pits and A-Area Ash Pile	West of Road D, south of A Area
ASB	Savannah River Laboratory Seepage Basins	Across the road from the Savannah River Technology Center (formerly the Savannah River Laboratory)
BGO	Burial Grounds Perimeter	Southern E Area
BGX	E-Area Vaults/Burial Ground Expansion	Northern E Area
BRD	Road A Chemical Basin (Baxley Road)	East of D Area
BRR	Burma Road Rubble Pit	Southwest of F Area
BSE	Old Burial Ground	Southeast edge of the Old Burial Ground
BTP	Characterization Piezometers for the Proposed Sanitary Landfill	Site B, off Road E-2
CBR	N-Area (Central Shops) Burning/Rubble Pit south of the Ford Building Seepage Basin	Southeast of N Area
CCB	C-Area Coal Pile Runoff Containment Basin	Southeast of C Area
CDB	C-Area Disassembly Basin	Near the C-Area reactor building
CDS	108-3C Bioremediation Facility	Near the C-Area reactor building
CMP	Chemicals, Metals, and Pesticides Pits	West of Road C, approximately two miles southeast of N Area
CRP	C-Area Burning/Rubble Pit	Southeast of N Area
CSA	Hydrofluoric Acid Spill Area	South of Road 3 in N Area
CSB	C-Area Reactor Seepage Basins	Southern C Area, west of the reactor building
CSD	N-Area (Central Shops) Diesel Spill	Southwest of N Area
CSL	N-Area (Central Shops) Sludge Lagoon	
CSO	Fire Department Training Facility	Southeast portion of N-Area
CSR	N-Area (Central Shops) Burning/Rubble Pits	North of N Area
DBP	D-Area Burning/Rubble Pits	Western portion of D Area
DCB	D-Area Coal Pile Runoff Containment Basin and Ash Basins	South (containment basin) and southwest (ash basins) of D Area
DOB	D-Area Oil Seepage Basin	North of D Area
DOL	D-Area Oil Seepage Basin	North of D Area
FAB	F-Area Ash Basin 288-1 Groundwater Quality Assessment	East of F Area and south of the F-Area acid/caustic basin
FAL	F-Area A Line	Adjacent to the F-Area canyon building
FBP	F-Area Burning/Rubble Pits	North of Road C and west of F Area
FCA	F-Area Canyon Building	Central F Area
FCB	F-Area Coal Pile Runoff Containment Basin	Southeast of F Area
FET	F-Area Effluent Treatment Cooling Water Basin	South of F Area
FEX	F-Area Seepage Basins Remediation Extraction Wells	
FIN	F-Area Seepage Basins Remediation Injection Tanks	South of Road C
FIW	F-Area Seepage Basins	Southwest portion of F Area

<i>Well Series</i>	<i>Site</i>	<i>Location</i>
FNB	Old F-Area Seepage Basin	North of F Area
FOB	F-Area Seepage Basins	West-southwestern edge of F Area
FRB	F-Area Retention Basin	
FSB	F-Area Seepage Basins	South of Road C; east of Road C-4
FSL	F-Area Inactive Process Sewer Line	South of Road C; east of Road C-4
FSS	F-Area Sludge Land Application Site	
FST	Savannah River Ecology Laboratory Flowing Springs Site	Adjacent to Aquatic Ecology Laboratory (Road C)
FTF	F-Area Tank Farm	
GBW	Background Well near Hawthorne Fire Tower	West of Road 2-1.1F
HAA	H-Area Tank Farm Groundwater Operable Unit	
HAP	H-Area Auxiliary Pump Pit	At the east end of H Area near the coal pile runoff containment basin
HCA	H-Area Canyon Building	
HCB	H-Area Coal Pile Runoff Containment Basin	East of H Area
HET	H-Area Effluent Treatment Cooling Water Basin	Southwest of H Area
HEX	H-Area Seepage Basins Remediation Extraction Wells	East of Road 4
HHP	HP-52 Outfall Area and Warners Pond	
HIN	H-Area Injection Tank	South of Road E
HIW	H-Area Injection Wells	Near the H-Area seepage basins
HMD	Hazardous Waste/Mixed Waste Disposal Facility	Northwest of the burial ground expansion
HR3	Old H-Area Retention Basin	Southeast of the intersection of Roads 4 and E
HR8	H-Area Retention Basin	Southeast of the intersection of Roads 4 and E
HSB	H-Area Seepage Basins	Southwest of H Area and the intersection of Roads 4 and E
HSL	H-Area Inactive Process Sewer Line	Extends from the southwest portion of H Area to north of the H-Area seepage basins
HSS	H-Area Sludge Land Application Site	Southeast of H Area
HTF	H-Area Tank Farm	At the south end of H Area
HWP	Warner's Pond and HP-52 Outfall	
HWS	Hazardous Waste Storage Facility	Northwest of N Area
HXB	Ford Building Seepage Basin	In the southeast portion of N Area
IDB	Interim Waste Technology Site Characterization Wells, Site B	Two miles northeast of H Area
IDP	Interim Waste Technology Site Characterization Wells, Site P	South of B Area and north of Highway 125
IDQ	Interim Waste Technology Site Characterization Wells, Site Q	Adjacent to Site P, South of B Area and north of Highway 125
KAB	K-Area Ash Basin	Southwest of K Area
KBP	K-Area Bingham Pump Outage Pit	
KCB	K-Area Coal Pile Runoff Containment Basin	West of K Area, between the K-Area ash basin and reactor seepage basin
KDB	K-Area Disassembly Basin	
KDT	K-Area Diesel Tank	Central K Area, north of the disassembly basin
KRB	K-Area Retention Basin	Northwest of K Area
KRP	K-Area Burning/Rubble Pit	
KSB	K-Area Reactor Seepage Basin	West of K Area
KSM	K-Area Tritium Sump	Near the K-Area process water storage tank
KSS	K-Area Sludge Land Application Site	Southeast of K Area
LAC	L-Area Acid/Caustic Basin	
LAW	L-Area Research Wells	North of Road B and east of Road B-2.13
LBP	L-Area Bingham Pump Outage Pit	
LCO	L-Area Oil and Chemical Basin	South of L Area
LDB	L-Area Disassembly Basin	
LDS	108-3L Bioremediation Facility	
LFW	Sanitary Landfill	South of Road C
LRP	L-Area Burning/Rubble Pit	Northwest of L Area

## **Site Index**

<i>Well Series</i>	<i>Site</i>	<i>Location</i>
LSB	L-Area Reactor Seepage Basin	Southeast of L Area, adjacent to the L-Area oil and chemical basin
MCB	Miscellaneous Chemical Basin	West of Road D near the A-Area metals burning pit
MSB	M-Area Hazardous Waste Management Facility (HWMF) and M-Area Plume Definition Wells	South of A Area and M Area and west of Road D (HWMF)
NBG	Wells between the F-Area Canyon Building and the Naval Fuel Material Facility	Between the canyon building and the Naval Fuel Material Facility
P	SRS Baseline Hydrogeologic Investigation Observation Well Clusters B-Area Microbiology Wells (P 29 Cluster) East of H-Area Perimeter Fence (P 27 Cluster) R-Area Bedrock Exploration Hydrology Wells (P 20 Cluster) T-Area (TNX) Background Wells (P 26 Cluster)	East of the H-Area perimeter fence
PB	L-Area Cooling Pond Dam Piezometers	
PBP	P-Area Bingham Pump Outage Pit	
PCB	P-Area Coal Pile Runoff Containment Basin	Southeast of the coal pile and south of P Area
PDB	P-Area Disassembly Basin	
PRP	P-Area Burning/Rubble Pit	West of P Area
PSB	P-Area Reactor Seepage Basins	Southwest of the reactor building
PSS	Par Pond Sludge Land Application Site	South of PAR Pond
PW	Production Wells	
RAC	R-Area Acid/Caustic Basin	South of R Area, just south of Road G
RBP	R-Area Bingham Pump Outage Pit	
RBW	R-Area Reactor Seepage Basins	Northwest of R Area
RCP	R-Area Coal Pile	West of the R-Area reactor building
RDB	R-Area Disassembly Basin	
RPC	R-Area Reactor Seepage Basins	Northwest of R Area
RRP	R-Area Burning/Rubble Pits	Southeast of R Area and Road G
RSA	Series A, R-Area Reactor Seepage Basins	Northwest of R Area
RSB	Series B, R-Area Reactor Seepage Basins	Northwest of R Area
RSC	Series C, R-Area Reactor Seepage Basins	Northwest of R Area
RSD	Series D, between R-Area Reactor Seepage Basin and R-Area Disassembly Basin	Northwest of R Area
RSE	Series E, R-Area Reactor Seepage Basins	Northwest of R Area
RSF	Series F, R-Area Reactor Seepage Basins	Northwest of R Area
RSP	R-Area Reactor Seepage Basins	Northwest of R Area
RWM	M-Area Recovery Wells	
SBG	S-Area Defense Waste Processing Facility	
SCA	S-Area Vitrification Building	
SLP	S-Area Low-Point Pump Pit	At the south end of S Area
SRW	Silverton Road Waste Site	South of Silverton Road
TBG	T-Area (TNX) Burying Ground	Within the T-Area fence
TCM	TNX-Area Operable Unit	
TIR	TNX Intrinsic Remediation Piezometers	
TNX	T-Area (TNX) Assessment Wells	
TRW	T-Area (TNX) Test Recovery Wells	
XSB	New T-Area (TNX) Seepage Basin	In the southwest corner of T Area
YSB	Old T-Area (TNX) Seepage Basin	In the east section of T Area, across Road A-4.7 miles from the TNX process area
YSC	Y-Area Waste Solidification and Disposal Facility	North of the intersection of Roads F and 4
ZBG	Z-Area Saltstone Facility	
ZDT	Z-Area Low-Point Drain Tank	Southeastern S Area

## **Site Index**

## **SITE HISTORY**

Geographical descriptions in the text are based on true north rather than SRS grid coordinates.

The following sections describe facilities at approximately 100 locations within designated areas at SRS. The sections are arranged in the following order:

- acid/caustic basins
- burning/rubble, rubble, and metals burning pits
- coal pile runoff containment basins, ash basins, and coal piles
- disassembly basins
- seepage and retention basins
- operating buildings and facilities
- plume monitoring
- radioactive waste storage and disposal facilities
- sanitary landfill and interim sanitary landfill
- sludge application sites
- other sites

### **Acid/Caustic Basins**

The acid/caustic basins in F Area, H Area, K Area, L Area, P Area, and R Area are unlined earthen pits (approximately 50 by 50 by 7 feet deep). These pits received dilute sulfuric acid and sodium hydroxide solutions used to regenerate ion-exchange units in power plant water purification processes at the reactor and separations areas in the center of SRS. The basins allowed mixing and neutralization of the dilute solutions before their discharge to nearby streams.

The basins were constructed between 1952 and 1955. They are uncovered, and most are dry except during periods of prolonged precipitation. The R-Area and L-Area basins were abandoned in 1964 and 1968, respectively. The other basins remained in service until 1982, when the water purification systems either were shut down or modernized. However, the H-Area basin continued to receive steam condensate from a hose box and drainage from a chemical pad until the basin was abandoned in 1985. During July through September 1993, the F-, H-, K-, and P-Area basins were dewatered, vegetation was removed and disposed of, the basins were filled with compacted soil from the Burma Road clay pit, a grass cover was established, and the fences were reinstalled.

### **Burning/Rubble, Rubble, and Metals Burning Pits**

From 1951 to 1973, burnable wastes—such as paper, wood, plastics, rubber, oil, degreasers, and drummed solvents—were received and burned monthly in one or more of the burning/rubble pits in the following areas: A, C, D, F, K, L, N, P, and R. In 1973, waste no longer was burned at the pits, which were covered with a layer of soil. Rubble wastes—including paper, wood, cans, concrete, and empty galvanized-steel barrels and drums—then were disposed of in the pits until they reached capacity and were covered with soil. All burning/rubble pits were inactive by 1981, and all are covered except the R-Area pit, which has not been backfilled. Lithium-aluminum alloy, aluminum pieces, metal drums, other metal scraps, and plastic pipe were deposited and burned periodically in the A-Area metals burning pit, beginning about 1952. In 1974, the solid materials remaining on the site were covered with soil, and the pit was regraded. The site is inactive.

The Burma Road rubble pit consists of two excavated earthen pits that may contain paint cans, fluorescent light fixtures, metal, concrete, lumber, poles, and glass. Unknown quantities of refuse were deposited here from approximately 1973 through 1983. The pit is inactive and has been covered with soil.

## **Coal Pile Runoff Containment Basins, Ash Basins, and Coal Piles**

Electricity and steam at SRS are generated by burning coal. Coal piles originally existed in the following areas: A, C, D, F, H, K, L, P, and R. The facilities generally contained a 90-day reserve of coal that was not rotated. During long-term exposure to the environment, chemical and biological oxidation of sulfur compounds in coal resulted in the formation of sulfuric acid.

The R-Area coal pile was removed in 1964, and the L-Area coal pile was removed in 1968. To achieve compliance with the National Pollutant Discharge Elimination System (NPDES) permit issued in 1977, coal pile runoff containment basins in A Area and D Area were completed in October 1978, and basins in C Area, F Area, H Area, K Area, and P Area were completed in March 1981. The coal piles in C Area and F Area were removed in 1985. In 1991, the K-Area coal pile was reduced to a 2-inch base, and 75 percent of the P-Area coal pile was removed.

Currently, rainwater runoff from the remaining coal piles in A, D, H, K, and P Areas flows into the coal pile runoff containment basins via gravity flow ditches and sewers. The basins allow mixing of the runoff and its seepage into the subsurface, thus preventing the entry of large surges of low-pH runoff into surface streams. The basins in C and F Areas also still collect runoff, although no coal remains at either location. Ash sluice water from the D-Area and K-Area powerhouses has been discharged to the D-Area ash basins and the K-Area ash basin, respectively, since 1951.

### **F-Area Ash Basin**

The F-Area ash basin was monitored for the first time during second quarter 1994.

### **R-Area Coal Pile**

Two wells were installed in 1990 inside the boundaries of the former coal storage area, originally for groundwater assessment in relation to the R-Area coal pile.

## **Disassembly Basins**

The disassembly basins, also called fuel and target storage basins, are concrete-lined, open tanks of water next to the reactor rooms inside the reactor buildings in C, K, L, P, and R Areas. Irradiated assemblies (reactor fuel and target rods) were rinsed and stored in the basins prior to their shipment to the separations areas. Some radioactivity was transferred to the basin water from leaks in porous components and as a liquid or oxide corrosion film on the irradiated components.

Sand filters were used to remove radioactive particulates from the disassembly basin water. The filtered water was circulated through deionizers to remove additional constituents and was purged periodically through regenerated deionizers to the reactor seepage basins.

## **Seepage and Retention Basins**

Seepage, retention, and settling basins have been used at SRS to store or dispose of wastewater from various operations. Seepage and retention basins in the following areas are monitored: A, C, F, H, K, L, M, N, P, R, T, and the Savannah River Laboratory.

### **C-Area Reactor Seepage Basins**

These basins have received low-level radioactive purge water from the disassembly basin since 1957.

### **F-Area Seepage Basins and Inactive Process Sewer Line**

Beginning in 1955, the F-Area seepage basins received F-Area wastewater containing low-level radioactivity and chemicals, including chromium, mercury, nitric acid, and sodium hydroxide. Clay caps were completed in 1991 when the basins were closed.

### **Ford Building Seepage Basin**

The Ford Building seepage basin received low-level radioactive wastewater from Ford Building operations (repairing heat exchangers) from 1964 to January 1984.

### **H-Area Retention Basins**

A small, unlined earthen retention basin (the old H-Area retention basin) was used from 1955 to 1973 to provide temporary emergency storage for cooling water from the chemical separations process that contained radionuclides and possible trace quantities of chemicals.

A larger, rubber-lined retention basin replaced the original basin in 1973 and still is in use for receipt of diverted cooling water or tank farm stormwater runoff.

### **H-Area Seepage Basins and Inactive Process Sewer Line**

Starting in 1955, the H-Area seepage basins received wastewater from H Area containing low-level radioactivity and chemicals, including nitric acid, mercury, and sodium hydroxide. Basin 3 has been inactive since 1962. Basins 1, 2, and 4 operated from 1980 until they were taken out of service in the fourth quarter of 1988. Clay caps were completed early in 1991 when the basins were closed.

### **K-Area Reactor Seepage Basin**

This basin has received low-level radioactive purge water from the disassembly basin since 1957.

### **L-Area Reactor Seepage Basin**

This basin has received low-level radioactive purge water from the disassembly basin since 1957.

### **M-Area Hazardous Waste Management Facility**

The unlined M-Area settling basin, in operation from 1958 until 1985, received wastewater containing metal-cleaning solvents, depleted uranium, and other chemicals and metals from fuel fabrication processes in M Area. Because surface water flowed from this basin, it is classified as a settling basin rather than a seepage basin. Water from the basin flowed through an overflow ditch to Lost Lake, a shallow upland depression. A seepage area formed adjacent to the ditch and Lost Lake. The M-Area hazardous waste management facility comprises the settling basin, overflow ditch, seepage area, and Lost Lake. A closure cap was completed on the basin during 1989/1990.

Since the beginning of a full-scale recovery system for groundwater remediation in April 1985, groundwater flow has changed markedly near this facility, and changes over time in concentrations of analytes are difficult to interpret. See the **Plume Monitoring** section of this chapter for more information on remediation.

### **Metallurgical Laboratory Seepage Basin**

The Metallurgical Laboratory seepage basin received wastewater effluent from the Metallurgical Laboratory building from 1956 until 1985. Wastewater released to the basin consisted of small quantities (5 to 10 gallons per day) of laboratory wastes—mostly rinse water—from metallographic sample preparation (degreasing, cleaning, etching) and corrosion testing of stainless steel and nickel-based alloys. Noncontact cooling water (approximately 900 gallons per day) also was discharged. The basin has been dewatered, backfilled, and capped with low-permeability clay.

### **New T-Area (TNX) Seepage Basin**

The new TNX seepage basin replaced the old TNX seepage basin and operated from 1980 to 1988.

### **Old F-Area Seepage Basin**

The old F-Area seepage basin, the first seepage basin constructed in F Area, was used for disposal of wastewater from the canyon building from November 1954 until May 1955, when it was abandoned. During operation, the seepage basin received a variety of wastewaters, including evaporator overheads, laundry wastewater, and an unknown amount of chemicals. For three months in 1969, spent nitric acid solutions used to etch depleted uranium were discharged to the basin. In 1984, low-level contaminated water was released to the basin.

### **Old T-Area (TNX) Seepage Basin**

The old TNX seepage basin received waste from pilot-scale tests conducted at TNX from 1958 to 1980. In 1981, the basin wall was breached and the impounded water was drained into the adjacent wetlands. The basin then was backfilled with a sand and clay mixture, and the top was capped with clay.

### **P-Area Reactor Seepage Basins**

These basins have received low-level radioactive purge water from the P-Area disassembly basin since 1957.

### **R-Area Reactor Seepage Basins**

On November 8, 1957, an experimental fuel element failed during a calorimeter test in the emergency section of the R-Area disassembly basin. Following this incident, the original seepage basin received approximately 2,700 Ci of nonvolatile beta activity, including strontium-90 and cesium-137, each of which has a half-life of about 30 years. Much of the released radioactivity was contained in that basin, which was backfilled in December 1957. Five more basins were put into operation in 1957 and 1958 to assist in containing the radioactivity.

In 1960, Basins 2 through 5 were closed and backfilled. The ground surface above Basins 1 through 5 was treated with herbicide and covered with asphalt. In addition, a kaolinite cap and dike were constructed over and around Basin 1 and the northwest end of Basin 3 to minimize lateral movement of the radioactive contamination. Basin 6, which received water directly from the disassembly basin from 1960 until 1964, was backfilled in 1977.

### **Savannah River Laboratory Seepage Basins**

The Savannah River Laboratory seepage basins received low-level radioactive laboratory wastewater through underground drains until they were taken out of service in October 1982. Two basins were put into operation in 1954; one more was added in 1958 and another in 1960 to provide additional holding capacity.

An exception to the practice of discharging only low-level alpha or beta-gamma wastewater was made in 1971, when 0.68 Ci of curium from a leaking separator pit in the Savannah River Laboratory radioactive waste tanks was disposed of in the basins. Approximately 34 million gallons of wastewater were discharged to the basins during their operating life.

## **Operating Buildings and Facilities**

### **Defense Waste Processing Facility (S-Area Vitrification Building)**

The DWPF, also known as the S-Area vitrification building or S-Area canyon, contains the process and auxiliary equipment to incorporate high-level radioactive waste into leach-resistant glass. The facility began radioactive operations in 1996.

### **F-Area Canyon Building and A-Line Uranium Recovery Facility**

At the canyon building, irradiated product from the reactors is dissolved using nitric acid, and the desired radionuclides are separated from fission products. At the A-Line uranium recovery facility, adjacent to the canyon building, uranium oxide is produced from uranyl nitrate.

### **F-Area Effluent Treatment Cooling Water Basin**

The F-Area effluent treatment cooling water basin receives diverted cooling water from the separations processes. The cooling water is sent from the basin to the F-Area and H-Area effluent treatment facility (ETF) if contaminated or to a permitted outfall if uncontaminated. The ETF, on the south side of H Area, was placed in service in 1988 to treat wastewater formerly sent to the F-Area and H-Area seepage basins. In addition to cooling water, it also receives separations area stormwater runoff and condensed overheads from the evaporators in the tank farms. The treatment facility removes hazardous and radioactive contaminants from these low-level liquid wastes and concentrates them for immobilization as saltstone.

### **H-Area Auxiliary Pump Pit**

The H-Area auxiliary pump pit facility will pump high-level radioactive sludge and precipitate from the H-Area tank farm to the S-Area low-point pump pit en route to the vitrification facility. When the pumps are shut down, this facility will collect the solution in a temporary holding tank via gravity flow lines.

### **H-Area Canyon Building**

As in F Area, materials from the reactors are dissolved at the canyon building, and the desired radionuclides are separated from waste products.

### **H-Area Effluent Treatment Cooling Water Basin**

For more information, see the **F-Area Effluent Treatment Cooling Water Basin** section.

### **K-Area Tritium Sump**

A single well, installed in 1992, monitors the water table just west of the K-Area reactor. The well was placed near the K-Area process water storage tank, which stores water collected in sumps within the K-Area reactor building. Tritium activity in this sump water has been reported at greater than 5 Ci/mL.

### **N-Area Hazardous Waste Storage Facility**

Building 645-N of the hazardous waste storage facility has been in service since 1983, 645-2N since 1987, and 645-4N since 1984. Buildings 645-N and 645-4N contain hazardous waste, and building 645-2N contains mixed waste (a mixture of low-level radioactive waste and hazardous waste). Wastes are stored inside the buildings in drums placed on diked concrete floors designed to contain liquid spills.

### **Naval Fuel Material Facility**

The Naval Fuel Material Facility was used to produce HEU (highly enriched uranium) for naval reactors until shutdown in 1989. Monitoring wells in the NBG series are located between the canyon building and the Naval Fuel Material Facility.

### **S-Area Facilities**

S-Area contains several facilities for processing high-level radioactive waste from the F-Area and H-Area tank farms into borosilicate glass solidified within stainless steel canisters. The glass is stored temporarily in specially designed storage buildings within S Area. Eventual permanent disposal is expected to be in an offsite federal geologic repository.

### **S-Area Low-Point Pump Pit**

The S-Area low-point pump pit receives high-level radioactive sludge and precipitate from the H-Area tank farm and pumps it to the defense waste processing facility (DWPF) vitrification building; it also receives waste being recycled from the vitrification building back to the tank farm. As at the H-Area auxiliary pump pit, when the pumps are shut down, the sludge and precipitate remaining in the line drain back into a temporary holding tank via gravity flow lines.

## **Z-Area Low-Point Drain Tank**

The Z-Area low-point drain tank facility receives low-level radioactive salt solution from the H-Area tank farm and pumps it to the Z-Area salt solution holding tank. When the H-Area pump is shut down, the low-point drain tank can collect the solution remaining in the lines via gravity flow.

## **Z-Area Saltstone Manufacturing and Disposal Facility**

The Z-Area saltstone manufacturing and disposal facility processes and permanently disposes of low-level radioactive salt solution supernatant from the underground storage tanks at F Area and H Area and from ETF concentrate.

The facility began radioactive operations in June 1990. In November 1992, a tank in the Z-Area saltstone manufacturing and disposal facility overflowed, and a portion of the liquid leaked from the building into a storm drain. Approximately 2 gallons of solution reached a drainage pipe that flows into a series of sedimentation basins and eventually into McQueen Branch. Sediment samples showed small amounts of cesium-137 exceeding those amounts observed in the Savannah River, but within the activity ranges in site streams.

## **Plume Monitoring**

### **A Area and M Area**

In addition to the groundwater monitoring conducted at specific locations in A Area and M Area, numerous plume definition wells also monitor a 5-square-mile area to assess the extent of volatile organic contamination. The first plume definition wells were installed soon after discovery of the contamination in June 1981.

The plume definition well network extends from the region north of SRTC, between Road 1 and the SRS boundary, south to wells near the miscellaneous chemical basin and the metals burning pit, and from Tims Branch in the east toward the Silverton Road waste site in the west. The plume encompasses approximately three square miles and consists primarily of trichloroethylene, tetrachloroethylene, and 1,1,1-trichloroethane.

### **Separations and Waste Management Areas**

A number of wells were installed in the separations areas in 1951 and 1952. These wells, which range from approximately 15 to 90 feet in depth, are used to measure water table elevations and monitor for radioactive constituents (gross alpha, nonvolatile beta, and tritium) in the groundwater in and around F Area and H Area. They have steel casings that could affect the metal concentrations in the water.

## **Radioactive Waste Storage and Disposal Facilities**

### **Burial Grounds**

The burial grounds have been used for storage and disposal of radioactive solid waste produced at SRS or shipped from other facilities since 1952. The original area, known as the old burial ground, contains low-level alpha and beta-gamma trenches, intermediate-level beta-gamma trenches, and alpha waste trenches. As the trenches were filled, they were covered with soil. When the old burial ground was filled in 1974, operations moved to the adjacent low-level radioactive waste disposal facility (LLRWDF).

The sections of the LLRWDF currently being operated, known as the Solid Waste Disposal Facility (SWDF), contain trenches for only radioactive waste. Concrete vaults, known as the E-Area vaults, have been constructed east and north of the LLRWDF for disposal of solid radioactive waste. The first waste was placed there in September 1994.

Mixed waste storage building 643/29E, within the boundaries of the LLRWDF, has been in use since March 1987. The adjacent mixed waste storage building, 643/43E, was completed in July 1995, and the facility began receiving waste later that same month.

Until 1965, transuranic (TRU) waste was placed in plastic bags and cardboard boxes and buried in earthen trenches. Between 1965 and 1974, lower level TRU waste was buried unencapsulated in trenches, and higher level TRU waste was buried in retrievable concrete containers or encapsulated in concrete. Since 1974, TRU

wastes contaminated with greater than 0.01 Ci/g have been stored in watertight containers on concrete pads with monitoring sumps. TRU waste storage pads 1–19 are on the FFA's list of RCRA-regulated units.

Since mid-1984, newly generated low-level beta-gamma waste has been placed in metal boxes or metal drums. Currently, it is disposed of in engineered trenches and covered with at least 4 feet of soil. Some wastes that do not have forms that are easily placed in containers are disposed of in shallow land-burial slit trenches.

Mixed wastes stored or disposed of within the old burial ground and portions of the LLRWDF include cadmium, lead, mercury, and tritiated pump oil. Some of the waste is contained in welded stainless steel containers or metal drums and stored within concrete cylinders. Degraded radioactive organic solvents and tritiated pump oil have been stored in 22 underground storage tanks in the old burial ground. In addition, two areas of the old burial ground were used for incineration of solvents.

The burial ground complex, comprising the old burial ground, solvent storage tanks S01–S22, and portions of the LLRWDF, is monitored by the following:

**Burial Ground Expansion (E-Area Vaults)**—This site is located in the northern section of E Area and is monitored by the BGX well series.

**Hazardous Waste/Mixed Waste Disposal Facility**—This site is northwest of the burial ground expansion and is monitored by the HMD well series.

**Old Burial Ground**—The old burial ground is in the southern portion of E Area and is monitored by wells in the BG and BGO well series.

**Radioactive Waste Burial Ground**—The LLRWDF, which includes the mixed waste management facility (MWMF), is monitored by wells in the BGO well series.

### **Tank Farms**

Liquid radioactive wastes are stored and processed at the tank farms, which comprise subsurface tanks containing high-level aqueous radioactive wastes in the form of sludges, supernatant liquid of varying salt concentrations, and saltcake. Approximately 129 million liters of waste are stored in the tanks.

The high-level liquid waste volume is reduced in the tank farm evaporators. Certain tanks are used for pretreatment of the wastes before they are processed at the DWPF into saltstone (low-level waste) or a glass form (high-level waste). As described earlier, saltstone manufacturing and disposal is ongoing; vitrification was tested during 1995, and the DWPF began production operations in 1996. Pretreatment processes at the tank farms include in-tank precipitation and extended sludge processing.

More information about the function of the tank farms may be found in previous sections of this chapter, including the discussions of the F-Area effluent treatment cooling water basin, the H-Area auxiliary pump pit, S Area, the S-Area low-point pump pit, the DWPF, the Z-Area low-point drain tank, and the Z-Area saltstone manufacturing and disposal facility.

Because of restrictions on the disposal of purge water, monitoring wells at the tank farms are bailed and not purged.

**F-Area Tank Farm**—The F-Area tank farm comprises 22 subsurface tanks. In 1961, Tank 8 was overfilled, causing soil and possible groundwater contamination.

**H-Area Tank Farm**—The H-Area tank farm comprises 29 subsurface tanks. In 1960, Tank 16 leaked an unknown quantity (a few tens of gallons to a few hundred gallons) of waste into the soil. The tank's remaining waste was removed by 1972.

Several other releases of waste from H-Area tanks have occurred, including a spill of approximately 100 gallons at Tank 13 in 1983. In 1989, approximately 500 pounds of volume-reduced waste leaked from a transfer line at

Tank 37. The leak sites have been cleaned up or stabilized to prevent the spread of contamination. Both the F-Area and H-Area sites are being monitored for gross alpha, nonvolatile beta, and tritium.

## **Sanitary Landfill and Interim Sanitary Landfill**

The sanitary landfill began receiving waste from office, cafeteria, and industrial activities during 1974. Materials such as paper, plastics, rubber, wood, cardboard, rags, metal debris, pesticide bags, empty cans, carcasses, asbestos in bags, and sludge from the site's wastewater treatment plant are placed in unlined trenches and covered daily with soil or a fabric substitute. The original section of the landfill and its southern expansion, with a total area of approximately 54 acres, have been filled. Operations at the portion of approximately 16 acres known as the northern expansion, or the interim sanitary landfill, were discontinued in November 1994.

Sanitary landfills are intended to receive only nonradioactive, nonhazardous waste. However, until October 1992, some hazardous wastes (specifically, solvent-laden rags and wipes used for cleaning, decontamination, and instrument calibration) were buried in portions of the original 32-acre landfill and its southern expansion.

## **Sludge Application Sites**

These sites originally were the subject of a research program using domestic sewage sludge to reclaim borrow pits and to enhance forest productivity at SRS. In 1980, sludge was applied to the following application sites: K Area, Kato Road, Lower Kato Road, Orangeburg, PAR Pond, Road F, Sandy (Lucy), Second PAR Pond Borrow Pit, and 40-Acre Hardwood. After sludge was applied to the sites, hardwoods and pines were planted to quantify the effectiveness of the sludge as a fertilizer and soil conditioner.

Sludge from Aiken and Augusta municipal wastewater treatment plants was applied to the following sites: F Area, H Area, Kato Road, Lower Kato Road, Orangeburg, Road F, Sandy (Lucy), Second PAR Pond Borrow Pit, and 40-Acre Hardwood. Wastewater sludge was applied to the K Area and PAR Pond sites in 1981 and 1988. Revegetating of the sites is continuing.

In November 1993, groundwater monitoring was discontinued at the Kato Road, Lower Kato Road, Orangeburg, Road F, Sandy (Lucy), and 40-Acre Hardwood sites because they have not received applications of sewage sludge since 1981, and historical monitoring results show no impact from sludge applications. Monitoring was canceled after first quarter 1994.

## **H-Area Sanitary Sludge Land Application Site**

Sewage sludge from SRS sanitary wastewater treatment plants was disposed of at this 13-acre site southeast of H Area from November 1990 to May 1992.

## **K-Area and PAR Pond Sludge Land Application Sites (Formerly K-Area Borrow Pit and PAR Pond Borrow Pit Sites)**

In 1981, sludge from Aiken and Augusta municipal wastewater treatment plants was applied to the K-Area and PAR Pond borrow pits. In 1988, the N-Area sanitary sewage sludge lagoon was closed, and the lagoon sludge was applied to the K Area and PAR Pond borrow pits. In 1989, the K-Area location (now called the K-Area sludge land application site) was declared a RCRA/CERCLA unit because of the presence of chlordane in the lagoon sludge applied to the site.

## **Other Sites**

### **B-Area Gas Station**

Elevated benzene, which could be the result of old underground gasoline or diesel storage tanks, has been detected near B Area. EMS has inspected the area and believes there may be two underground storage tanks southeast of B Area. The first suspected tank appears to be at an abandoned gas station between Kato Road and Road C-2. The second appears to be an old diesel tank in front of a storage and laboratory facility.

## **Baseline Hydrogeologic Investigation Observation Well Clusters**

Wells in the P series that provide baseline hydrogeologic investigation data are located in numerous locations across SRS.

## **Chemicals, Metals, and Pesticides Pits**

The chemicals, metals, and pesticides pits were used from 1971 to 1979 to dispose of oil in drums, organic solvents, and small amounts of pesticides and metals. In 1984, the pits were excavated to form two trenches, backfilled, and capped. During excavation, most of the contaminated material (liquid in original drums, free liquid placed in drums during excavation, and contaminated soil) was moved to the hazardous waste storage facility.

## **D-Area Oil Disposal Basin**

The D-Area oil disposal basin was constructed in 1952 and received waste oil products from D Area that were unacceptable for incineration in the powerhouse boilers. These waste oils may have contained hydrogen sulfide, chlorinated organics, or other chemicals. In 1975, the oil basin was removed from service and backfilled with soil.

## **Interim Waste Technology Site Characterization Wells**

Characterization wells monitor interim waste technology sites B, L, Q, and P.

## **K-Area Diesel Tank Spill**

Following the discovery in 1989 of a leaking buried diesel supply line, most of the diesel-contaminated soil was removed from this area except where continued excavation would have jeopardized the structural integrity of an underground storage tank.

## **L-Area Acid/Caustic Basin and L-Area Oil and Chemical Basin**

From 1961 to 1979, the L-Area oil and chemical basin received small quantities of radioactive oil and chemical waste that could not be discharged to effluent streams, regular seepage basins, or the 200 Areas' waste management systems. The waste came from throughout SRS, primarily from the reactor areas and the contaminated-equipment workshop through a pipeline known to have leaked. The basin has been inactive since 1979.

## **M-Area Recovery Wells**

The RWM well series identifies the M-Area recovery wells. The first wells were installed in 1982 and 1983, with pumps added in 1985. Additional wells were installed in 1985, 1990, 1993, and 1996. The RWM wells pump contaminated groundwater to air strippers, which remove volatile organic compounds from the water before it is returned to the ground.

## **Miscellaneous Chemical Basin**

The miscellaneous chemical basin, in operation by 1956, was closed and graded in 1974. No records document the materials disposed of at this location. However, soil gas investigations revealed volatile organics in the near-surface soils at the basin. It is assumed that the site was used for disposal of waste solvents, liquid chemical wastes, and possibly waste oil. The basin is inactive.

## **Motor Shop Oil Basin**

This unlined basin was placed in service in 1977 to receive liquid effluent from the Motor Shop, including trace quantities of engine oil, grease, kerosene, ethylene glycol, and soap. All waste passed through an oil skimmer prior to discharge into the basin. All discharges to the basin were terminated in August 1983. The basin is inactive but collects rainwater during periods of heavy precipitation.

## **N-Area Diesel Spill Hazardous Waste Storage Facility**

The tanks have been filled with inert material, and the pipelines have been disconnected at this site.

### **N-Area Fire Department Training Facility**

The fire department training facility, also known as the N-Area burnable-oil basin, is a shallow pit surrounded by an 18-inch-high asphalt dike. It was used from 1979 to 1982 by the SRS Fire Department to train personnel in the use of firefighting equipment. After this time, the area was excavated and backfilled.

### **N-Area Hydrofluoric Acid Spill**

It is uncertain whether a spill occurred at the hydrofluoric acid spill area or if contaminated soil or containers were buried there. The spill or burial occurred prior to 1970, and an identification sign is the only evidence that material was released.

### **Production Wells**

The PW series wells are production wells scattered across SRS.

### **Road A (Baxley Road) Chemical Basin**

The Road A chemical basin is reported to have received miscellaneous radioactive and chemical aqueous waste, but no records of the materials disposed of at the basin are available. The basin was closed and backfilled in 1973. The BRD well series is being monitored for environmental-screening constituents only.

### **Silverton Road Waste Site**

The Silverton Road waste site, south of Silverton Road, was used for disposal of metal shavings, construction debris, tires, drums, tanks, and miscellaneous other items. The startup date is unknown, and no records of waste disposal activities were kept. Operations at this location ended in 1974, and the waste material is covered with soil and vegetation.

### **TNX Burying Ground**

The TNX burying ground was created to dispose of debris from an experimental evaporator that exploded at T Area in 1953. The buried material included contaminated conduit, tin, drums, structural steel, and depleted uranium. Although most of this material was excavated and sent to the LLRWDF between 1980 and 1984, an estimated 27 kg of uranyl nitrate remains buried at this location. See the **New TNX Seepage Basin** section for more information on the unit.

**NOTES**

# Glossary

Also see p. B-1 for abbreviations and qualifiers used in the results tables in **Appendix B**.

**2,4-D.** 2,4-Dichlorophenoxyacetic acid.

**absolute difference.** The unsigned result of the subtraction of any two numbers.

**accuracy.** The degree of agreement between an observed value and an accepted reference value or a measure of the over- or underestimation of reported concentrations.

**advisory range.** A range of acceptable analytical results established by the provider of known samples.

**aerated sample.** Groundwater sample supplied or charged with air. Aeration can occur naturally or during well pumping.

**aliquot.** A portion of a sample being used for analysis.

**analyte.** Analyzed constituent.

**analytical detection limit.** The lowest reasonably accurate concentration of an analyte that can be detected. This value varies depending on the method, instrument, and dilution used.

**APHA.** American Public Health Association.

**Appendix IX.** A list of constituents specified by Appendix IX in the *Code of Federal Regulations*, Title 40, Part 264 (EPA, 1991d). Analysis for Appendix IX constituents is required by the Resource Conservation and Recovery Act (RCRA) under specified conditions.

**associated samples.** Samples analyzed by a laboratory in the same batch with field or laboratory blanks.

**ASTM.** American Society for Testing and Materials.

**bail.** To remove water from a well by lowering a container into the water, allowing it to fill with water, and removing it from the well.

**blank.** Aliquot of deionized water generated by laboratory or sampling personnel and analyzed like a groundwater sample. See **equipment blank**, **field blank**, **laboratory blank**, and **trip blank**.

**blank spike.** An organic-free water sample spiked with target analytes, extracted, and analyzed with the regular samples for organic parameters to monitor the performance of all steps in the analysis process.

**blind replicate.** A second sample taken from a well at the same time as the primary sample and sent to the laboratory for analysis as an unknown.

**BNA.** Base/neutral and acid extractables. Groups of organic compounds analyzed as part of the Appendix IX and Priority Pollutants suites; also, a group of compounds that can be analyzed by EPA Method 8270.

**Bq/L.** Becquerels per liter. A measurement of radioactivity.

**cation.** Positively charged ion.

**CERCLA.** Comprehensive Environmental Response, Compensation, and Liability Act, commonly known as Superfund.

**certified value.** The known concentration of an analyte in a referenced sample.

**CFR.** *Code of Federal Regulations.* Sections of this annual document contain EPA standards and regulations for environmental monitoring.

**chain-of-custody record.** A form that documents the collection, transport, analysis, and disposal of well samples.

**common analyses.** Common parameters tested for, and generally found, in drinking water.

**comparability.** An evaluation made by confirming that the laboratories used the same standardized procedures for sample preparation and analysis, that the reporting units are the same, and that similar detection and quantitation limits were obtained.

**completeness.** An evaluation based on a comparison of the wells scheduled for sampling to the wells sampled, also a comparison of the requested analyses to the analytical data received.

**deionized water.** Water from which all charged species or ionizable organic and inorganic salts have been removed.

**detection limit.** See **analytical detection limit.**

**dilution factor.** The mathematical factor by which a sample is diluted to bring the concentration of an analyte in the sample within the analytical range of an instrument (e.g., 1 mL sample + 9 mL solvent = 1:10 dilution, or a dilution factor of 10).

**DL.** See **analytical detection limit.**

**DNAPL.** Dense nonaqueous phase liquid.

**DOE.** U.S. Department of Energy.

**drinking water standards.** Federal primary and secondary drinking water standards, as set forth by the EPA.

**duplicate.** Duplicate sample; an aliquot of a primary sample.

**duplicate result.** A result obtained from identical analyses performed on more than one aliquot of a primary sample.

**DWS.** See **drinking water standards.**

**E.** A code letter used in the analytical data tables that signifies exponential notation (e.g., 3.4E+03 =  $3.4 \times 10^3$  = 3,400).

**EM.** EPD/EMS Laboratory at SRS.

**EMAX Laboratories.** EMAX Laboratories, Inc., of Torrance, CA.

**EMS.** The Environmental Monitoring Section of the Environmental Protection Department at SRS.

**EMS code.** See **qualifier.**

**Environmental Physics.** Environmental Physics, Inc., of Charleston, SC (subcontractor for General Engineering).

**environmental-screening analyses.** A group of analyses that forms the core of the EPD/EMS Groundwater Monitoring Program each quarter. See the **Sample Scheduling** section of this report for a complete list of constituents.

**EPA.** U.S. Environmental Protection Agency.

**EPD.** Environmental Protection Department at SRS.

**EPD/EMS.** Environmental Protection Department's Environmental Monitoring Section at SRS.

**EQL.** See **estimated quantitation limit**.

**equipment blank.** A sample of deionized water that is opened at the sampling location and poured or pumped through the sampling device. Equipment blanks are used to identify possible contaminants in the sampling equipment.

**ES.** See **QST Environmental**.

**estimated quantitation limit (EQL).** The lowest concentration reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. The EQL is generally 5x to 10x the method detection limit (MDL); however, it may be nominally chosen within these guidelines to simplify data reporting. For many analytes, the EQL analyte concentration is selected as the lowest nonzero standard in the calibration curve.

**EX.** See **EMAX Laboratories**.

**Fibers/L.** Fibers per liter. A unit of measurement for asbestos.

**field blank.** A sample container of deionized water sent to a laboratory under an alias as a quality control check.

**field qualifier.** See **sample interference field qualifier**. Due to space limitations, sample interference field qualifiers are referred to as *field qualifiers* in the analytical results tables in **Appendix B**.

**flagging criteria.** Criteria established to help determine the relative concentration and testing frequency for analytes. See the **Flagging Criteria** section of this report for further information.

**functional guideline code.** See **qualifier**.

**gamma PHA.** A group of analyses performed to determine activities of gamma-emitting radionuclides.

**GC.** See Gulf Coast.

**GC VOA.** Gas chromatographic volatile organics analyses. Also used to refer to a group of volatile organic compounds that can be analyzed by gas chromatography.

**GCMS VOA.** Gas chromatograph/mass spectrometer volatile organics analyses. Also used to refer to a group of volatile organic compounds analyzed by gas chromatography and mass spectrometry methods.

**GE.** See **General Engineering**.

**General Engineering.** General Engineering Laboratories of Charleston, SC.

**General Engineering Laboratories Mobile Laboratory.** The Mobile Laboratory, associated with General Engineering Laboratories of Charleston, SC.

**GP.** See **Environmental Physics**.

**Gulf Coast.** Gulf Coast of Chicago, IL (owned by Recra).

**halogen.** Any of the elements of the halogen family, which consists of fluorine, chlorine, bromine, iodine, and astatine.

**herbicides/pesticides.** A suite of analyses. See the **Sample Scheduling** section of this report for further information.

**holding time.** The length of time during which an analysis of a sample can be reliably performed. Holding times vary depending on which constituents are being analyzed.

**interlaboratory comparisons.** Comparisons conducted between two or more laboratories.

**intralaboratory comparisons.** Comparisons conducted within a single laboratory.

**ion.** An isolated electron or positron or an atom or molecule that has acquired a net electric charge by the loss or gain of one or more electrons.

**laboratory blank.** Deionized water or solvent sample generated by the laboratory. One blank is analyzed with each batch of samples as an in-house check of analytical procedures and equipment.

**laboratory control sample.** A deionized water sample that is spiked with the target analyte, digested, and analyzed with the regular samples for inorganic parameters to monitor the performance of all steps in the analysis process.

**MA.** See **Microanalytical Laboratories.**

**major ions.** A group of analyses performed in the EPD/EMS Groundwater Monitoring Program to determine the concentrations of calcium, magnesium, potassium, and silica ions and the alkalinity of a sample.

**matrix spike.** A known quantity of a target analyte added to at least 5% of the samples prior to sample preparation to evaluate the effect of the sample matrix on the analytical procedure.

**MDL.** See **method detection limit.**

**mean.** The arithmetic mean; a single number that typifies a set of numbers.

**method detection limit (MDL).** A reproducible analyte- and method-specific detection limit: the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

**mg/L.** Milligrams per liter.

**μCi.** Microcurie; unit of radioactivity equivalent to  $3.7 \times 10^4$  disintegrations per second.

**μCi/mL.** Microcuries per milliliter.

**μg/L.** Micrograms per liter.

**μS/cm.** Microsiemens per centimeter, equivalent to micromhos per centimeter. The unit of conductance across two points, used as the measure of specific conductance in analytical data tables.

**Microanalytical Laboratories.** Microanalytical Laboratories, Inc., of Gainesville, FL (subcontractor for QST Environmental).

**ML.** See **General Engineering Laboratories Mobile Laboratory.**

**modifier.** See **qualifier.**

**MRD.** Mean relative difference. See the **Quality Control Samples** section of this report for further information.

**msl.** Mean sea level.

**NTU.** Nephelometric turbidity units. The standard unit of turbidity measurement.

**null hypothesis.** A statement, which can be tested statistically, of no difference in a characteristic of a population or distribution.

**organic.** A chemical compound based on carbon chains or rings and containing hydrogen with or without oxygen, nitrogen, or other elements.

**PCB.** Polychlorinated biphenyl.

**pCi.** Picocurie; a unit of radioactivity equivalent to  $3.7 \times 10^{-2}$  disintegrations per second.

**pCi/L.** Picocuries per liter.

**pCi/mL.** Picocuries per milliliter.

**piezometer.** An instrument used to measure the potentiometric surface of groundwater. Also, a well designed for this purpose.

**plume.** A volume of contaminated air or water originating at a point-source emission (e.g., a smokestack) or a waste source (e.g., a hazardous-waste disposal site).

**potentiometric surface.** The surface to which water in an aquifer would rise by hydrostatic pressure if unconfined.

**precision.** A measure of the repeatability of a measurement, evaluated from the results of duplicate samples and splits.

**primary laboratory.** A laboratory having a contract with EPD/EMS to perform a specific set of analyses; a primary laboratory may subcontract this work to other laboratories.

**purge.** To remove water from a well prior to sampling, generally by pumping or bailing. Under the EPD/EMS Groundwater Monitoring Program, two well volumes generally are purged before sampling.

**QA.** Quality assurance.

**QC.** Quality control.

**QST Environmental.** QST Environmental, of Gainesville, FL.

**qualifier.** A code used to convey additional information about an analytical result. Also called a modifier. Specific types include functional guideline codes, STORET codes, and EMS codes. See **Appendix B** for additional information.

**radioisotopes.** Radioactive isotopes.

**radionuclide.** A nuclide at an unstable, high-energy level that seeks a more stable, low-energy level by emitting particles of energy. Through these emissions, the nuclear configuration decays to simpler nuclides.

**RCRA.** See **Resource Conservation and Recovery Act**.

**RCRA site.** Solid-waste management unit under RCRA regulation.

**RDL.** See **reference detection limit**.

**Recra LabNet Philadelphia.** Recra LabNet Philadelphia, of Lionville, PA.

**reference detection limit (RDL).** The detection limit chosen to allow comparison of several analyses with different detection limits. For the purposes of this report, the individual detection limits of at least 90% of the analyses are less than the reference detection limit. See the **Quality Control Samples** section of this report for further information.

**relative percent difference (RPD).** A commonly used estimate of precision when only two samples are available. Precision is the agreement among a set of replicate measurements without assumption of the true value. Precision is estimated by means of duplicate analyses.

**replicate.** Replicate sample. Used in this report to mean only those duplicate samples sent to the laboratory as unknowns. See **blind replicate**.

**representativeness.** The quality of exhibiting the average properties of the population being sampled.

**Resource Conservation and Recovery Act (RCRA).** Federal legislation that regulates the transport, treatment, and disposal of solid and hazardous wastes.

**RFI Program.** RCRA Facility Investigation Program. EPA-regulated investigation of a solid-waste management unit with regard to its potential impact on the environment.

**RFI/RI Program.** RCRA Facility Investigation/Remedial Investigation Program. At SRS, an expansion of the RFI Program that includes CERCLA and hazardous-substance regulations.

**RPD.** See **relative percent difference**.

**run date.** The calendar date denoting when an analysis is performed.

**sample interference field qualifier.** See also **field qualifier**. This describes interferences encountered during sample collection that could affect analytical results. It is used to qualify analytical data based on field condition.

**sample quantitation limit (SQL).** The sample-specific EQL, which is the EQL multiplied by factors of concentration, dilution, aliquot size, and percent solids.

**sample-specific EQL (ssEQL).** The EQL multiplied by factors of concentration, dilution, aliquot size, and percent solids. Also called the **SQL**.

**sample-specific MDL (ssMDL).** The MDL multiplied by factors of concentration, dilution, aliquot size, and percent solids. For radiological analyses it is known as the sample-specific minimum detectable concentration.

**sampling device.** Anything used in sampling, especially portable (nondedicated) pumps and bailers. Possible source of sample contamination if not cleaned thoroughly between uses.

**SCDHEC.** South Carolina Department of Health and Environmental Control.

**seepage basin.** An excavation that receives wastewater. Designed to prevent overflow or surface runoff.

**settling basin.** A temporary holding basin (excavation) that receives wastewater.

**significance of probability.** The probability of observing a statistical value as significant as, or more significant than, the value actually observed.

**site custodian.** WSRC employee responsible for a site being monitored.

**SQL.** See **sample quantitation limit**.

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## **Glossary**

**SRL.** Savannah River Laboratory at SRS; now Savannah River Technology Center (SRTC).

**SRP.** Savannah River Plant; now Savannah River Site (SRS).

**SRS.** Savannah River Site.

**SRTC.** Savannah River Technology Center.

**STORET.** EPA national database for storage and retrieval of water quality information and monitoring data; some of the qualifiers listed in the **Analytical Results** section of this report (**Appendix B**) are based on STORET codes.

**STORET code.** See **qualifier**.

**surrogate.** An organic compound similar in composition and test performance to one of the analytes of interest; known quantities are used in an analysis as a quality assurance measure.

**tank farm.** An installation of interconnected underground tanks used for storage of high-level radioactive liquid wastes.

**Thermo NUtech.** Thermo NUtech, of Oak Ridge, TN (subcontractor for Recra LabNet Philadelphia and QST Environmental).

**TL.** See **Triangle Laboratories**.

**TM.** See Thermo NUtech.

**TOC.** Top of casing. The elevation of the casing at the top of a well; used as a reference for water-level measurements.

**Triangle Laboratories.** Triangle Laboratories, Inc., of Durham, NC (subcontractor for Environmental Science & Engineering).

**trip blank.** A sample container of deionized water that is transported to the well sample location, treated as a well sample, and sent to the laboratory for analysis; trip blanks are used to check for contamination resulting from transport, shipping, and site conditions.

**t-test.** Statistical method used to determine if the means of groups of observations are equal.

**turbidity.** A measure of the concentration of sediment or suspended particles in solution.

**U.** Unclassified.

**USDWS.** U.S. Public Health Service drinking water standard.

**validation and verification.** The standard, in-depth review process to which laboratory analytical data are subjected before being used. The data verification process confirms that the required samples were collected and documented, the required analyses were performed on the samples, and the analytical results were reported correctly. The data validation process determines the usefulness of each analytical result based on QC and method requirements. The information evaluated during this process includes COC forms, analytical narrative summaries, and analytical result data files.

**volatile organic compounds.** A broad range of organic compounds, commonly halogenated, that vaporize at ambient, or relatively low, temperatures (e.g., acetone, benzene, chloroform, and methyl alcohol).

**WA.** See **Recra LabNet Philadelphia**.

**well volume.** The volume of water between the well water surface and the bottom of the screen; the volume of water standing inside the well casing.

**wellhead.** The top of a well.

**WSRC.** Westinghouse Savannah River Company.

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## References

# ***Appendix A. Water-Level Data***

During second quarter 1999, water-level measurements were obtained for hydrogeologic projects. Most of the data presented on the following pages were obtained as concurrent data for hydrogeologic interpretation in the A/M and F/H areas. Only water levels were measured for this project; no field tests of water characteristics were conducted. RCS Corporation of Aiken, SC, collected the data.

**NOTES**

**WATER-LEVEL DATA**

<b>WELL ABP 1A</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 135.68 ft (41.36m) below TOC Water elevation: 224.22 ft (68.34m) msl	Time: 20:36	<b>WELL ABP 4DD</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 140.91 ft (42.95m) below TOC Water elevation: 224.09 ft (68.30m) msl	Time: 20:09
<b>WELL ABP 1DD</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 134.57 ft (41.02m) below TOC Water elevation: 225.53 ft (68.74m) msl	Time: 20:37	<b>WELL ABP 6D</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 142.06 ft (43.30m) below TOC Water elevation: 223.24 ft (68.04m) msl	Time: 20:19
<b>WELL ABP 2A</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 149 ft (45.42m) below TOC Water elevation: 222.9 ft (67.94m) msl	Time: 20:22	<b>WELL ABP 7D</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 140.17 ft (42.72m) below TOC Water elevation: 224.03 ft (68.29m) msl	Time: 20:05
<b>WELL ABP 2DD</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 147.4 ft (44.93m) below TOC Water elevation: 223.2 ft (68.03m) msl	Time: 20:23	<b>WELL ABP 8C</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 175.12 ft (53.38m) below TOC Water elevation: 196.98 ft (60.04m) msl	Time: 20:12
<b>WELL ABP 3</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 129.5 ft (39.17m) below TOC Water elevation: 225.2 ft (68.64m) msl	Time: 20:31	<b>WELL ABP 8D</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 148 ft (45.11m) below TOC Water elevation: 222.9 ft (67.94m) msl	Time: 20:16
<b>WELL ABP 3C</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 157 ft (47.85m) below TOC Water elevation: 197.5 ft (60.20m) msl	Time: 20:32	<b>WELL ABP 9B</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 159.4 ft (48.59m) below TOC Water elevation: 192.8 ft (58.77m) msl	Time: 19:57
<b>WELL ABP 4</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 141.69 ft (43.19m) below TOC Water elevation: 222.61 ft (67.85m) msl	Time: 20:08	<b>WELL ABP 9C</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 159.6 ft (48.65m) below TOC Water elevation: 192.8 ft (58.77m) msl	Time: 19:58

**WELL ABP 9D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
Depth to water: 129.55 ft (39.49m) below TOC  
Water elevation: 223.55 ft (68.14m) msl

Time: 20:01

**WELL ABP 10D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
Depth to water: 135.76 ft (41.38m) below TOC  
Water elevation: 217.64 ft (66.34m) msl

Time: 19:49

**WELL ABW 1**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 125.96 ft (38.39m) below TOC  
Water elevation: 198.84 ft (60.61m) msl

Time: 11:57

**WELL AC 1A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 48.65 ft (14.83m) below TOC  
Water elevation: 213.45 ft (65.06m) msl

Time: 20:33

**WELL AC 1B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 48.64 ft (14.83m) below TOC  
Water elevation: 213.36 ft (65.03m) msl

Time: 20:34

**WELL AC 2A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 124.6 ft (37.98m) below TOC  
Water elevation: 220.1 ft (67.09m) msl

Time: 18:29

**WELL AC 2B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 117.98 ft (35.96m) below TOC  
Water elevation: 226.82 ft (69.14m) msl

Time: 18:31

**WELL AC 3A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
Depth to water: 91.78 ft (27.97m) below TOC  
Water elevation: 210.52 ft (64.17m) msl

Time: 19:14

**WELL AC 3B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
Depth to water: 89.91 ft (27.40m) below TOC  
Water elevation: 212.59 ft (64.80m) msl

Time: 19:15

**WELL ACB 1A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 122.4 ft (37.31m) below TOC  
Water elevation: 237.2 ft (72.30m) msl

Time: 10:29

**WELL ACB 2A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 115.85 ft (35.31m) below TOC  
Water elevation: 233.95 ft (71.31m) msl

Time: 10:36

**WELL ACB 3A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 113.86 ft (34.70m) below TOC  
Water elevation: 234.44 ft (71.46m) msl

Time: 10:38

**WELL ACB 4A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 124.18 ft (37.85m) below TOC  
Water elevation: 234.92 ft (71.60m) msl

Time: 10:41

**WELL AMB 4A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
Depth to water: 162.38 ft (49.49m) below TOC  
Water elevation: 218.12 ft (66.48m) msl

Time: 13:14

**WELL AMB 4B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 157.14 ft (47.90m) below TOC  
 Water elevation: 223.26 ft (68.05m) msl  
 Time: 13:13

**WELL AMB 4D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 149.18 ft (45.47m) below TOC  
 Water elevation: 231.12 ft (70.45m) msl  
 Time: 13:16

**WELL AMB 5**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 148.16 ft (45.16m) below TOC  
 Water elevation: 231.44 ft (70.54m) msl  
 Time: 13:17

**WELL AMB 6**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 145.66 ft (44.40m) below TOC  
 Water elevation: 231.54 ft (70.57m) msl  
 Time: 13:21

**WELL AMB 7**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 138.2 ft (42.12m) below TOC  
 Water elevation: 231.7 ft (70.62m) msl  
 Time: 12:31

**WELL AMB 7A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 155.49 ft (47.39m) below TOC  
 Water elevation: 218.11 ft (66.48m) msl  
 Time: 12:35

**WELL AMB 7B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 149.51 ft (45.57m) below TOC  
 Water elevation: 223.49 ft (68.12m) msl  
 Time: 12:33

**WELL AMB 8D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 138.29 ft (42.15m) below TOC  
 Water elevation: 231.31 ft (70.50m) msl  
 Time: 12:47

**WELL AMB 9D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 136.57 ft (41.63m) below TOC  
 Water elevation: 231.33 ft (70.51m) msl  
 Time: 12:50

**WELL AMB 10A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 149.2 ft (45.48m) below TOC  
 Water elevation: 217.3 ft (66.23m) msl  
 Time: 13:00

**WELL AMB 10B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 144.61 ft (44.08m) below TOC  
 Water elevation: 221.79 ft (67.60m) msl  
 Time: 13:01

**WELL AMB 10D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 133.44 ft (40.67m) below TOC  
 Water elevation: 232.06 ft (70.73m) msl  
 Time: 13:00

**WELL AMB 10DD**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 14.2 ft (4.33m) below TOC  
 Water elevation: 351.2 ft (107.05m) msl  
 Time: 13:00

**WELL AMB 11B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 142.69 ft (43.49m) below TOC  
 Water elevation: 221.91 ft (67.64m) msl  
 Time: 12:40

**WATER-LEVEL DATA**

<b>WELL AMB 11D</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/22/99 Depth to water: 131.24 ft (40.00m) below TOC Water elevation: 232.76 ft (70.95m) msl	Time: 12:38	<b>WELL AMB 18A</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/22/99 Depth to water: 153.44 ft (48.60m) below TOC Water elevation: 217.86 ft (66.40m) msl	Time: 12:28
<b>WELL AMB 12D</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/22/99 Depth to water: 137.65 ft (41.99m) below TOC Water elevation: 232.15 ft (70.76m) msl	Time: 12:43	<b>WELL AMB 18C</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/22/99 Depth to water: 144.91 ft (44.17m) below TOC Water elevation: 231.09 ft (70.44m) msl	Time: 12:29
<b>WELL AMB 13AR</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/22/99 Depth to water: 147.07 ft (44.83m) below TOC Water elevation: 218.03 ft (66.46m) msl	Time: 12:53	<b>WELL AMB 19C</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/22/99 Depth to water: 135.19 ft (41.21m) below TOC Water elevation: 228.51 ft (69.65m) msl	Time: 13:04
<b>WELL AMB 14D</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/22/99 Depth to water: 152.75 ft (46.56m) below TOC Water elevation: 229.65 ft (70.00m) msl	Time: 13:36	<b>WELL AOB 1</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 107.25 ft (32.69m) below TOC Water elevation: 233.85 ft (71.28m) msl	Time: 9:58
<b>WELL AMB 15D</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/22/99 Depth to water: 151.64 ft (46.22m) below TOC Water elevation: 231.76 ft (70.64m) msl	Time: 13:31	<b>WELL AOB 2</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 112.09 ft (34.17m) below TOC Water elevation: 233.31 ft (71.11m) msl	Time: 10:02
<b>WELL AMB 16D</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/22/99 Depth to water: 149.12 ft (45.45m) below TOC Water elevation: 231.28 ft (70.50m) msl	Time: 13:39	<b>WELL AOB 3</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 118 ft (35.97m) below TOC Water elevation: 234.6 ft (71.51m) msl	Time: 10:25
<b>WELL AMB 17A</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/22/99 Depth to water: 161 ft (49.07m) below TOC Water elevation: 218.1 ft (66.48m) msl	Time: 13:18	<b>WELL ARP 1A</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 136.35 ft (42.17m) below TOC Water elevation: 216.75 ft (66.07m) msl	Time: 19:44

**WELL ARP 2**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 117.8 ft (35.91m) below TOC  
 Water elevation: 219.5 ft (66.90m) msl

Time: 19:39

**WELL ARP 3**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 118.2 ft (36.03m) below TOC  
 Water elevation: 221.6 ft (67.54m) msl

Time: 19:37

**WELL ARP 4**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 128.98 ft (39.31m) below TOC  
 Water elevation: 219.42 ft (66.88m) msl

Time: 19:46

**WELL ASB 1A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 111.45 ft (33.97m) below TOC  
 Water elevation: 237.65 ft (72.44m) msl

Time: 11:45

**WELL ASB 2AR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 118.02 ft (35.97m) below TOC  
 Water elevation: 237.58 ft (72.42m) msl

Time: 11:45

**WELL ASB 2CR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 133.95 ft (40.83m) below TOC  
 Water elevation: 221.65 ft (67.56m) msl

Time: 11:44

**WELL ASB 3AR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 103.32 ft (31.49m) below TOC  
 Water elevation: 238.28 ft (72.63m) msl

Time: 11:44

**WELL ASB 3CR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 120.5 ft (36.73m) below TOC  
 Water elevation: 221 ft (67.36m) msl

Time: 11:44

**WELL ASB 4**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 97.89 ft (29.84m) below TOC  
 Water elevation: 237.71 ft (72.45m) msl

Time: 11:25

**WELL ASB 5AR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 110.95 ft (33.82m) below TOC  
 Water elevation: 236.05 ft (71.95m) msl

Time: 11:47

**WELL ASB 5C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 126.05 ft (38.42m) below TOC  
 Water elevation: 221.25 ft (67.44m) msl

Time: 11:47

**WELL ASB 6A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 112.88 ft (34.41m) below TOC  
 Water elevation: 237.32 ft (72.34m) msl

Time: 11:46

**WELL ASB 6AA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 137.06 ft (41.78m) below TOC  
 Water elevation: 217.14 ft (66.19m) msl

Time: 11:46

**WELL ASB 6C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 130.95 ft (39.91m) below TOC  
 Water elevation: 222.65 ft (67.86m) msl

Time: 11:46

**WELL ASB 6TA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 139.72 ft (42.59m) below TOC  
 Water elevation: 213.18 ft (64.98m) msl

Time: 11:46

**WELL ASB 8**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 115.45 ft (35.19m) below TOC  
 Water elevation: 233.55 ft (71.19m) msl

Time: 10:41

**WELL ASB 8A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 131.23 ft (40.00m) below TOC  
 Water elevation: 218.07 ft (66.47m) msl

Time: 10:45

**WELL ASB 8B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 132.78 ft (40.47m) below TOC  
 Water elevation: 217.02 ft (66.15m) msl

Time: 10:48

**WELL ASB 8C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 129.81 ft (39.57m) below TOC  
 Water elevation: 219.89 ft (67.02m) msl

Time: 10:48

**WELL ASB 8TA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 134.25 ft (40.92m) below TOC  
 Water elevation: 215.35 ft (65.64m) msl

Time: 10:43

**WELL ASB 9**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 67.92 ft (20.70m) below TOC  
 Water elevation: 241.08 ft (73.48m) msl

Time: 11:11

**WELL ASB 9B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 89.05 ft (27.14m) below TOC  
 Water elevation: 219.95 ft (67.04m) msl

Time: 11:08

**WELL ASB 9C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 89.71 ft (27.34m) below TOC  
 Water elevation: 220.19 ft (67.11m) msl

Time: 11:08

**WELL ASB 10CR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 127.85 ft (38.97m) below TOC  
 Water elevation: 221.35 ft (67.47m) msl

Time: 11:45

**WELL BGO 1D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 56.5 ft (17.22m) below TOC  
 Water elevation: 238.6 ft (72.73m) msl

Time: 11:24

**WELL BGO 2D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: Not available  
 Water elevation: Not available

Time: 11:17

**WELL BGO 3A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 129.15 ft (39.37m) below TOC  
 Water elevation: 162.75 ft (49.61m) msl

Time: 11:16

**WELL BGO 3C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 67.15 ft (20.47m) below TOC  
 Water elevation: 224.75 ft (68.50m) msl

Time: 11:16

**WELL BGO 3DR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 60.6 ft (18.47m) below TOC  
 Water elevation: 230.9 ft (70.38m) msl

Time: 11:16

**WELL BGO 4D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: Not available  
 Water elevation: Not available

Time: 11:15

**WELL BGO 5C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 81.92 ft (24.97m) below TOC  
 Water elevation: 214.18 ft (65.28m) msl

Time: 11:15

**WELL BGO 5D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 66.85 ft (20.38m) below TOC  
 Water elevation: 229.45 ft (69.94m) msl

Time: 11:15

**WELL BGO 6A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 126.65 ft (38.60m) below TOC  
 Water elevation: 158.95 ft (48.45m) msl

Time: 11:13

**WELL BGO 6B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 69.25 ft (21.11m) below TOC  
 Water elevation: 217.55 ft (66.31m) msl

Time: 11:14

**WELL BGO 6C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 66.93 ft (20.40m) below TOC  
 Water elevation: 218.67 ft (66.65m) msl

Time: 11:14

**WELL BGO 6D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 55.64 ft (16.96m) below TOC  
 Water elevation: 229.86 ft (70.06m) msl

Time: 11:14

**WELL BGO 7D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 56.63 ft (17.26m) below TOC  
 Water elevation: 230.37 ft (70.22m) msl

Time: 11:57

**WELL BGO 8AR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 127.83 ft (38.96m) below TOC  
 Water elevation: 158.77 ft (48.39m) msl

Time: 11:57

**WELL BGO 8C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 65.89 ft (20.08m) below TOC  
 Water elevation: 222.01 ft (67.67m) msl

Time: 11:57

**WELL BGO 8D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 57.29 ft (17.46m) below TOC  
 Water elevation: 230.51 ft (70.26m) msl

Time: 11:57

**WELL BGO 9AA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 127.85 ft (38.97m) below TOC  
 Water elevation: 156.95 ft (47.84m) msl

Time: 14:15

**WELL BGO 9D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 56.89 ft (17.34m) below TOC  
 Water elevation: 228.21 ft (69.56m) msl

Time: 11:55

**WELL BGO 10AA**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 06/25/99  
 Depth to water: 143.37 ft (43.70m) below TOC  
 Water elevation: 157.33 ft (47.95m) msl

Time: 14:15

Time: 11:53

**WELL BGO 10AR**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 06/25/99  
 Depth to water: 142.55 ft (43.45m) below TOC  
 Water elevation: 157.95 ft (48.14m) msl

Time: 11:55

Time: 11:53

**WELL BGO 10B**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 06/25/99  
 Depth to water: 82.61 ft (25.18m) below TOC  
 Water elevation: 218.39 ft (66.57m) msl

Time: 14:15

Time: 11:53

**WELL BGO 10C**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 06/25/99  
 Depth to water: 82.03 ft (25.00m) below TOC  
 Water elevation: 219.27 ft (66.83m) msl

Time: 11:55

Time: 11:52

**WELL BGO 10DR**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 06/25/99  
 Depth to water: 70.02 ft (21.34m) below TOC  
 Water elevation: 230.38 ft (70.22m) msl

Time: 11:54

Time: 11:52

**WELL BGO 11DR**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 06/25/99  
 Depth to water: 75.15 ft (22.90m) below TOC  
 Water elevation: 230.07 ft (70.13m) msl

Time: 11:54

Time: 11:52

**WELL BGO 12AX**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 06/25/99  
 Depth to water: 155.88 ft (47.51m) below TOC  
 Water elevation: 156.92 ft (47.83m) msl

Time: 11:54

Time: 11:51

**WELL BGO 12CX**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 06/25/99  
 Depth to water: 83.33 ft (25.40m) below TOC  
 Water elevation: 229.97 ft (70.10m) msl

**WELL BGO 12DR**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 06/25/99  
 Depth to water: 94.15 ft (28.70m) below TOC  
 Water elevation: 219.45 ft (66.89m) msl

**WELL BGO 13DR**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 06/25/99  
 Depth to water: 89.4 ft (27.25m) below TOC  
 Water elevation: 229.9 ft (70.07m) msl

**WELL BGO 14AR**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 06/25/99  
 Depth to water: 142.26 ft (43.36m) below TOC  
 Water elevation: 158.44 ft (48.29m) msl

**WELL BGO 14CR**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 06/25/99  
 Depth to water: 78.27 ft (23.86m) below TOC  
 Water elevation: 222.23 ft (67.74m) msl

**WELL BGO 14DR**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 06/25/99  
 Depth to water: 76.97 ft (21.63m) below TOC  
 Water elevation: 229.33 ft (69.90m) msl

**WELL BGO 15D**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 06/25/99  
 Depth to water: 69.87 ft (21.30m) below TOC  
 Water elevation: 228.63 ft (69.79m) msl

**WELL BGO 16AR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 142.97 ft (43.58m) below TOC  
 Water elevation: 160.73 ft (48.99m) msl

Time: 11:21

**WELL BGO 16B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 88 ft (26.82m) below TOC  
 Water elevation: 217.1 ft (66.17m) msl

Time: 11:21

**WELL BGO 16D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 74.99 ft (22.86m) below TOC  
 Water elevation: 229.61 ft (69.99m) msl

Time: 11:21

**WELL BGO 17DR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 68.95 ft (21.02m) below TOC  
 Water elevation: 230.25 ft (70.18m) msl

Time: 11:20

**WELL BGO 18A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 134.15 ft (40.89m) below TOC  
 Water elevation: 161.05 ft (49.09m) msl

Time: 11:20

**WELL BGO 18D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 64.18 ft (19.56m) below TOC  
 Water elevation: 230.72 ft (70.32m) msl

Time: 11:20

**WELL BGO 19DR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 63.3 ft (19.29m) below TOC  
 Water elevation: 230.5 ft (70.26m) msl

Time: 11:19

**WELL BGO 20A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 121.21 ft (36.95m) below TOC  
 Water elevation: 162.69 ft (49.59m) msl

Time: 11:18

**WELL BGO 20AA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 122.31 ft (37.28m) below TOC  
 Water elevation: 161.29 ft (49.16m) msl

Time: 11:18

**WELL BGO 20B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 56.4 ft (17.19m) below TOC  
 Water elevation: 227.1 ft (69.22m) msl

Time: 11:18

**WELL BGO 20C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 54.97 ft (16.76m) below TOC  
 Water elevation: 228.53 ft (69.66m) msl

Time: 11:19

**WELL BGO 20D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 51.45 ft (15.68m) below TOC  
 Water elevation: 232.25 ft (70.79m) msl

Time: 11:18

**WELL BGO 21D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 52.4 ft (15.97m) below TOC  
 Water elevation: 233 ft (71.02m) msl

Time: 11:17

**WELL BGO 22DX**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 52.35 ft (15.96m) below TOC  
 Water elevation: 233.35 ft (71.13m) msl

Time: 11:19

**WELL BGO 23D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 54.55 ft (16.63m) below TOC  
 Water elevation: 234.65 ft (71.52m) msl

Time: 11:19

**WELL BGO 24D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 57.2 ft (17.43m) below TOC  
 Water elevation: 236 ft (71.93m) msl

Time: 11:17

**WELL BGO 25A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 135.55 ft (41.32m) below TOC  
 Water elevation: 160.95 ft (49.06m) msl

Time: 11:52

**WELL BGO 26A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 128.35 ft (39.12m) below TOC  
 Water elevation: 158.85 ft (48.42m) msl

Time: 11:50

**WELL BGO 26D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 59.19 ft (18.04m) below TOC  
 Water elevation: 226.31 ft (68.98m) msl

Time: 11:50

**WELL BGO 27D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 50.62 ft (15.43m) below TOC  
 Water elevation: 225.68 ft (68.79m) msl

Time: 11:49

**WELL BGO 28D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 53.05 ft (16.17m) below TOC  
 Water elevation: 224.34 ft (68.38m) msl

Time: 11:49

**WELL BGO 29A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 104.76 ft (31.93m) below TOC  
 Water elevation: 159.44 ft (48.60m) msl

Time: 11:47

**WELL BGO 29C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 43.51 ft (13.26m) below TOC  
 Water elevation: 221.29 ft (67.45m) msl

Time: 11:47

**WELL BGO 29D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 40.98 ft (12.49m) below TOC  
 Water elevation: 224.52 ft (68.43m) msl

Time: 11:48

**WELL BGO 30C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 56.47 ft (17.21m) below TOC  
 Water elevation: 218.03 ft (66.46m) msl

Time: 11:49

**WELL BGO 30D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 50.97 ft (15.54m) below TOC  
 Water elevation: 223.83 ft (68.22m) msl

Time: 11:49

**WELL BGO 31C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 49.45 ft (15.07m) below TOC  
 Water elevation: 223.65 ft (68.17m) msl

Time: 11:48

**WELL BGO 31D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 49.05 ft (14.95m) below TOC  
 Water elevation: 224.65 ft (68.47m) msl

Time: 11:48

**WELL BGO 32D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 53.95 ft (16.44m) below TOC  
 Water elevation: 227.75 ft (69.42m) msl

Time: 14:24

**WELL BGO 33C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 56 ft (17.07m) below TOC  
 Water elevation: 223.4 ft (68.09m) msl

Time: 14:24

**WELL BGO 33D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 51.74 ft (15.77m) below TOC  
 Water elevation: 228.56 ft (69.67m) msl

Time: 14:23

**WELL BGO 34D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 44.28 ft (13.50m) below TOC  
 Water elevation: 230.62 ft (70.29m) msl

Time: 14:23

**WELL BGO 35C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 44.96 ft (13.70m) below TOC  
 Water elevation: 228.44 ft (69.63m) msl

Time: 14:22

**WELL BGO 35D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 40.9 ft (12.47m) below TOC  
 Water elevation: 232.6 ft (70.90m) msl

Time: 14:22

**WELL BGO 36D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 39.98 ft (12.19m) below TOC  
 Water elevation: 235.42 ft (71.76m) msl

Time: 14:22

**WELL BGO 37C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 54.62 ft (16.65m) below TOC  
 Water elevation: 231.68 ft (70.62m) msl

Time: 14:22

**WELL BGO 37D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 49.2 ft (15.00m) below TOC  
 Water elevation: 238.1 ft (72.57m) msl

Time: 14:21

**WELL BGO 38D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 54.95 ft (16.75m) below TOC  
 Water elevation: 236.65 ft (72.13m) msl

Time: 14:21

**WELL BGO 39A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 129.05 ft (39.33m) below TOC  
 Water elevation: 166.85 ft (50.86m) msl

Time: 14:20

**WELL BGO 39C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 64.7 ft (19.72m) below TOC  
 Water elevation: 231.7 ft (70.62m) msl

Time: 14:21

**WELL BGO 39D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 60.1 ft (18.32m) below TOC  
 Water elevation: 235.6 ft (71.81m) msl

Time: 14:20

**WELL BGO 40D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 67.38 ft (20.54m) below TOC  
 Water elevation: 221.02 ft (67.37m) msl

Time: 11:51

**WELL BGO 41A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 141.24 ft (43.05m) below TOC  
 Water elevation: 159.06 ft (48.48m) msl

Time: 11:51

**WELL BGO 42C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 76.02 ft (23.17m) below TOC  
 Water elevation: 221.88 ft (67.63m) msl

Time: 11:53

**WELL BGO 43A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 158.15 ft (48.20m) below TOC  
 Water elevation: 156.75 ft (47.78m) msl

Time: 14:14

**WELL BGO 43AA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 158.21 ft (48.22m) below TOC  
 Water elevation: 156.09 ft (47.58m) msl

Time: 14:14

**WELL BGO 43CR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 91.43 ft (27.87m) below TOC  
 Water elevation: 223.87 ft (68.24m) msl

Time: 14:11

**WELL BGO 43D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 85.11 ft (25.94m) below TOC  
 Water elevation: 230.19 ft (70.16m) msl

Time: 14:14

**WELL BGO 44A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 127.15 ft (38.76m) below TOC  
 Water elevation: 158.15 ft (48.20m) msl

Time: 11:56

**WELL BGO 44AA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 127.05 ft (38.73m) below TOC  
 Water elevation: 158.25 ft (48.24m) msl

Time: 11:56

**WELL BGO 44B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 65.44 ft (19.95m) below TOC  
 Water elevation: 219.76 ft (66.98m) msl

Time: 11:56

**WELL BGO 44C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 66.05 ft (20.13m) below TOC  
 Water elevation: 219.55 ft (66.92m) msl

Time: 11:56

**WELL BGO 44D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 54.7 ft (16.67m) below TOC  
 Water elevation: 230.7 ft (70.32m) msl

Time: 11:56

**WELL BGO 45A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 118.65 ft (36.16m) below TOC  
 Water elevation: 160.25 ft (48.84m) msl

Time: 11:51

**WELL BGO 45B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 60.78 ft (18.53m) below TOC  
 Water elevation: 217.82 ft (66.39m) msl

Time: 11:50

**WELL BGO 45C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 57.11 ft (17.41m) below TOC  
 Water elevation: 221.49 ft (67.51m) msl

Time: 11:50

**WELL BGO 45D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 52.81 ft (16.10m) below TOC  
 Water elevation: 225.79 ft (68.82m) msl

Time: 11:50

**WELL BGO 46B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 49 ft (14.94m) below TOC  
 Water elevation: 216.4 ft (65.96m) msl

Time: 14:25

**WELL BGO 46C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 47.2 ft (14.39m) below TOC  
 Water elevation: 217.9 ft (66.42m) msl

Time: 14:25

**WELL BGO 46D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 41.85 ft (12.76m) below TOC  
 Water elevation: 223.25 ft (68.05m) msl

Time: 14:26

**WELL BGO 47A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 104.95 ft (31.99m) below TOC  
 Water elevation: 161.95 ft (49.36m) msl

Time: 14:26

**WELL BGO 47C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 46.54 ft (14.19m) below TOC  
 Water elevation: 221.06 ft (67.38m) msl

Time: 14:27

**WELL BGO 47D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 43.4 ft (13.23m) below TOC  
 Water elevation: 224 ft (68.28m) msl

Time: 14:26

**WELL BGO 48C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 54.85 ft (16.72m) below TOC  
 Water elevation: 221.75 ft (67.59m) msl

Time: 14:27

**WELL BGO 48D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 52.55 ft (16.02m) below TOC  
 Water elevation: 224.35 ft (68.38m) msl

Time: 14:27

**WELL BGO 49A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 106.22 ft (32.38m) below TOC  
 Water elevation: 164.98 ft (50.29m) msl

Time: 14:27

**WELL BGO 49C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 43.44 ft (13.24m) below TOC  
 Water elevation: 227.66 ft (69.39m) msl

Time: 14:28

**WELL BGO 49D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 40.1 ft (12.22m) below TOC  
 Water elevation: 231.4 ft (70.53m) msl

Time: 14:28

**WELL BGO 50A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 95.36 ft (29.07m) below TOC  
 Water elevation: 160.04 ft (48.78m) msl

Time: 14:25

**WELL BGO 50C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 38.35 ft (11.69m) below TOC  
 Water elevation: 217.15 ft (66.19m) msl

Time: 14:25

**WATER-LEVEL DATA**

**WELL BGO 50D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
Depth to water: 32.91 ft (10.03m) below TOC  
Water elevation: 223.09 ft (68.00m) msl

Time: 14:24

**WELL BGO 51A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
Depth to water: 124.06 ft (37.81m) below TOC  
Water elevation: 165.24 ft (50.37m) msl

Time: 11:25

**WELL BGO 51AA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
Depth to water: 121.41 ft (37.01m) below TOC  
Water elevation: 167.79 ft (51.14m) msl

Time: 11:26

**WELL BGO 51B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
Depth to water: 59.02 ft (17.99m) below TOC  
Water elevation: 230.08 ft (70.13m) msl

Time: 11:25

**WELL BGO 51C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
Depth to water: 56.13 ft (17.22m) below TOC  
Water elevation: 230.97 ft (70.40m) msl

Time: 11:25

**WELL BGO 51D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
Depth to water: 54.95 ft (16.75m) below TOC  
Water elevation: 234.35 ft (71.43m) msl

Time: 11:25

**WELL BGO 52A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
Depth to water: 120.8 ft (36.82m) below TOC  
Water elevation: 163.6 ft (49.87m) msl

Time: 11:22

**WELL BGO 52AA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
Depth to water: 121.65 ft (37.08m) below TOC  
Water elevation: 162.85 ft (49.64m) msl

Time: 11:21

**WELL BGO 52B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
Depth to water: 56.33 ft (17.17m) below TOC  
Water elevation: 228.07 ft (69.52m) msl

Time: 11:22

**WELL BGO 52C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
Depth to water: 55.25 ft (16.84m) below TOC  
Water elevation: 229.25 ft (69.88m) msl

Time: 11:22

**WELL BGO 52D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
Depth to water: 52.15 ft (15.90m) below TOC  
Water elevation: 232.65 ft (70.91m) msl

Time: 11:22

**WELL BGO 53A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
Depth to water: 152.64 ft (40.43m) below TOC  
Water elevation: 136.76 ft (48.39m) msl

Time: 11:23

**WELL BGO 53AA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
Depth to water: 153.4 ft (46.76m) below TOC  
Water elevation: 138.3 ft (42.15m) msl

Time: 11:23

**WELL BGO 53B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
Depth to water: 70.65 ft (21.60m) below TOC  
Water elevation: 220.25 ft (67.13m) msl

Time: 11:24

**WELL BGO 53C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 69.35 ft (21.14m) below TOC  
 Water elevation: 221.55 ft (67.53m) msl  
 Time: 11:24

**WELL BGO 53D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 63.04 ft (19.21m) below TOC  
 Water elevation: 228.56 ft (69.67m) msl  
 Time: 11:23

**WELL BGX 1A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 133.53 ft (40.70m) below TOC  
 Water elevation: 157.67 ft (48.06m) msl  
 Time: 14:16

**WELL BGX 1C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 77.12 ft (23.51m) below TOC  
 Water elevation: 214.18 ft (65.28m) msl  
 Time: 14:16

**WELL BGX 1D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 63.05 ft (19.22m) below TOC  
 Water elevation: 228.25 ft (69.57m) msl  
 Time: 14:16

**WELL BGX 2B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 80.19 ft (24.44m) below TOC  
 Water elevation: 211.11 ft (64.35m) msl  
 Time: 14:16

**WELL BGX 2D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 77.37 ft (23.58m) below TOC  
 Water elevation: 213.73 ft (65.15m) msl  
 Time: 14:16

**WELL BGX 3D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 77.74 ft (23.70m) below TOC  
 Water elevation: 213.46 ft (65.06m) msl  
 Time: 14:17

**WELL BGX 4A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 136.05 ft (41.47m) below TOC  
 Water elevation: 154.85 ft (47.20m) msl  
 Time: 14:17

**WELL BGX 4C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 77.92 ft (23.75m) below TOC  
 Water elevation: 212.88 ft (64.89m) msl  
 Time: 14:17

**WELL BGX 4D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 76.88 ft (23.43m) below TOC  
 Water elevation: 214.02 ft (65.23m) msl  
 Time: 14:17

**WELL BGX 5D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 77.85 ft (23.73m) below TOC  
 Water elevation: 207.15 ft (63.14m) msl  
 Time: 14:18

**WELL BGX 6D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 72.98 ft (22.24m) below TOC  
 Water elevation: 204.02 ft (62.19m) msl  
 Time: 11:13

**WELL BGX 7D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 75.23 ft (22.93m) below TOC  
 Water elevation: 203.97 ft (62.17m) msl  
 Time: 11:13

**WELL BGX 8DR**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 06/24/99  
 Depth to water: 74.65 ft (22.75m) below TOC  
 Water elevation: 203.55 ft (62.04m) msl

Time: 11:13

**WELL BGX 9D**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 06/24/99  
 Depth to water: 53.92 ft (16.44m) below TOC  
 Water elevation: 225.48 ft (68.73m) msl

Time: 11:12

**WELL BGX 10D**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 06/24/99  
 Depth to water: 52.42 ft (15.98m) below TOC  
 Water elevation: 224.48 ft (68.42m) msl

Time: 11:12

**WELL BGX 11D**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 06/24/99  
 Depth to water: 43.57 ft (13.28m) below TOC  
 Water elevation: 232.73 ft (70.94m) msl

Time: 11:11

**WELL BGX 12C**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 06/25/99  
 Depth to water: 4.96 ft (1.52m) below TOC  
 Water elevation: 233.14 ft (71.06m) msl

Time: 14:19

**WELL BGX 12D**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 06/25/99  
 Depth to water: 39.11 ft (11.92m) below TOC  
 Water elevation: 236.09 ft (71.96m) msl

Time: 14:19

**WELL DBP 1**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 04/08/99  
 Depth to water: 16.8 ft (5.12m) below TOC  
 Water elevation: 118.4 ft (36.09m) msl

Time: 8:00

**WELL DBP 2**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 04/08/99  
 Depth to water: 9.11 ft (2.78m) below TOC  
 Water elevation: 117.19 ft (35.72m) msl

Time: 8:05

**WELL DBP 3**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 04/08/99  
 Depth to water: 6.1 ft (1.86m) below TOC  
 Water elevation: 122.2 ft (37.25m) msl

Time: 7:58

**WELL DBP 4**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 04/08/99  
 Depth to water: 7.18 ft (2.19m) below TOC  
 Water elevation: 119.02 ft (36.28m) msl

Time: 7:57

**WELL DBP 5**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 04/08/99  
 Depth to water: 17.1 ft (5.21m) below TOC  
 Water elevation: 117.5 ft (35.81m) msl

Time: 8:02

**WELL DCB 1A**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 04/08/99  
 Depth to water: 12.14 ft (3.70m) below TOC  
 Water elevation: 114.96 ft (35.04m) msl

Time: 9:09

**WELL DCB 2A**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 04/08/99  
 Depth to water: 9.65 ft (2.94m) below TOC  
 Water elevation: 124.84 ft (37.99m) msl

Time: 9:28

**WELL DCB 3A**  
 MEASUREMENTS CONDUCTED IN THE FIELD  
 Sample date: 04/08/99  
 Depth to water: 12.82 ft (3.91m) below TOC  
 Water elevation: 120.18 ft (36.63m) msl

Time: 9:24

**WATER-LEVEL DATA**

**WELL DCB 4A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
Depth to water: 10.95 ft (3.34m) below TOC  
Water elevation: 118.55 ft (36.13m) msl

Time: 9:23

**WELL DCB 5A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
Depth to water: 4.58 ft (1.40m) below TOC  
Water elevation: 118.32 ft (36.06m) msl

Time: 9:19

**WELL DCB 6**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
Depth to water: 17.38 ft (5.30m) below TOC  
Water elevation: 115.82 ft (35.30m) msl

Time: 10:10

**WELL DCB 7**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
Depth to water: 15.03 ft (4.58m) below TOC  
Water elevation: 117.77 ft (35.90m) msl

Time: 10:13

**WELL DCB 8**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
Depth to water: 10.75 ft (3.28m) below TOC  
Water elevation: 126.05 ft (38.42m) msl

Time: 9:31

**WELL DCB 8C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
Depth to water: 12.37 ft (3.77m) below TOC  
Water elevation: 124.83 ft (38.05m) msl

Time: 9:34

**WELL DCB 9**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
Depth to water: 7 ft (2.13m) below TOC  
Water elevation: 115.3 ft (35.14m) msl

Time: 9:04

**WELL DCB 10**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
Depth to water: 9.15 ft (2.79m) below TOC  
Water elevation: 114.75 ft (34.98m) msl

Time: 9:12

**WELL DCB 11**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
Depth to water: 8.22 ft (2.51m) below TOC  
Water elevation: 122.38 ft (37.30m) msl

Time: 8:51

**WELL DCB 12**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
Depth to water: 7.65 ft (2.33m) below TOC  
Water elevation: 109.25 ft (33.30m) msl

Time: 8:18

**WELL DCB 15**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
Depth to water: 15.21 ft (4.64m) below TOC  
Water elevation: 112.39 ft (34.26m) msl

Time: 8:34

**WELL DCB 15R**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
Depth to water: 19.51 ft (5.95m) below TOC  
Water elevation: 108.49 ft (33.07m) msl

Time: 8:34

**WELL DCB 16**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
Depth to water: 16.47 ft (5.02m) below TOC  
Water elevation: 111.43 ft (33.96m) msl

Time: 8:41

**WELL DCB 16R**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
Depth to water: 19.95 ft (6.08m) below TOC  
Water elevation: Not available

Time: 8:40

**WELL DCB 17A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 10.85 ft (3.31m) below TOC  
 Water elevation: Not available

Time: 12:45

**WELL DCB 17B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 10.8 ft (3.29m) below TOC  
 Water elevation: Not available

Time: 12:46

**WELL DCB 17C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 11.98 ft (3.65m) below TOC  
 Water elevation: Not available

Time: 12:46

**WELL DCB 18A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 9.01 ft (2.75m) below TOC  
 Water elevation: Not available

Time: 12:49

**WELL DCB 18C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 12.65 ft (3.86m) below TOC  
 Water elevation: Not available

Time: 12:50

**WELL DCB 19A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 9.97 ft (3.04m) below TOC  
 Water elevation: 120.43 ft (36.71m) msl

Time: 9:07

**WELL DCB 19B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 12.45 ft (3.79m) below TOC  
 Water elevation: 117.25 ft (35.74m) msl

Time: 9:08

**WELL DCB 19C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 13.55 ft (4.13m) below TOC  
 Water elevation: 116.05 ft (35.37m) msl

Time: 9:08

**WELL DCB 20A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 13.77 ft (4.20m) below TOC  
 Water elevation: Not available

Time: 13:09

**WELL DCB 20B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 14.51 ft (4.42m) below TOC  
 Water elevation: Not available

Time: 13:09

**WELL DCB 20C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 14.65 ft (4.47m) below TOC  
 Water elevation: Not available

Time: 13:09

**WELL DCB 20D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 15.7 ft (4.79m) below TOC  
 Water elevation: Not available

Time: 13:10

**WELL DCB 21A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 9.81 ft (2.99m) below TOC  
 Water elevation: Not available

Time: 12:53

**WELL DCB 21B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 13.65 ft (4.16m) below TOC  
 Water elevation: Not available

Time: 12:55

**WELL DCB 21C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 14.01 ft (4.27m) below TOC  
 Water elevation: Not available

Time: 12:55

**WELL DCB 22A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 12.38 ft (3.77m) below TOC  
 Water elevation: Not available

Time: 12:52

**WELL DCB 22B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 12.85 ft (3.92m) below TOC  
 Water elevation: Not available

Time: 12:53

**WELL DCB 22C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 13.31 ft (4.06m) below TOC  
 Water elevation: Not available

Time: 12:53

**WELL DCB 23A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 7.73 ft (2.36m) below TOC  
 Water elevation: Not available

Time: 13:02

**WELL DCB 23B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 10.34 ft (3.15m) below TOC  
 Water elevation: Not available

Time: 13:03

**WELL DCB 23C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 10.15 ft (3.09m) below TOC  
 Water elevation: Not available

Time: 13:03

**WELL DCB 23D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 7.02 ft (2.14m) below TOC  
 Water elevation: Not available

Time: 13:03

**WELL DCB 24A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 6.84 ft (2.08m) below TOC  
 Water elevation: Not available

Time: 12:57

**WELL DCB 24B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 6.88 ft (2.10m) below TOC  
 Water elevation: Not available

Time: 12:58

**WELL DCB 24C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 5.9 ft (1.80m) below TOC  
 Water elevation: Not available

Time: 12:58

**WELL DCB 26C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 13 ft (3.96m) below TOC  
 Water elevation: 112.5 ft (34.29m) msl

Time: 8:16

**WELL DCB 27**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 9.56 ft (2.91m) below TOC  
 Water elevation: 107.24 ft (32.69m) msl

Time: 8:24

**WELL DCB 27**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 9.56 ft (2.91m) below TOC  
 Water elevation: 107.24 ft (32.69m) msl

Time: 8:24

**WELL DCB 28**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 6.17 ft (1.88m) below TOC  
 Water elevation: 96.33 ft (29.36m) msl

Time: 10:37

**WELL DCB 30**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 11.02 ft (3.36m) below TOC  
 Water elevation: 102.68 ft (31.30m) msl

Time: 10:26

**WELL DCB 31**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: Not available  
 Water elevation: Not available

Time: 16:16

**WELL DCB 32A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 20.95 ft (6.39m) below TOC  
 Water elevation: 123.25 ft (37.57m) msl

Time: 8:09

**WELL DCB 33C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 9.12 ft (2.78m) below TOC  
 Water elevation: 134.08 ft (40.87m) msl

Time: 9:44

**WELL DCB 33D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 9.13 ft (2.78m) below TOC  
 Water elevation: 133.87 ft (40.80m) msl

Time: 9:45

**WELL DCB 34A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 12.4 ft (3.78m) below TOC  
 Water elevation: 119.6 ft (36.45m) msl

Time: 9:21

**WELL DCB 34C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 12.11 ft (3.69m) below TOC  
 Water elevation: 117.99 ft (35.96m) msl

Time: 9:21

**WELL DCB 35A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 6.6 ft (2.01m) below TOC  
 Water elevation: 116.8 ft (35.60m) msl

Time: 10:19

**WELL DCB 35C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 6.62 ft (2.02m) below TOC  
 Water elevation: 117.58 ft (35.84m) msl

Time: 10:20

**WELL DCB 36A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 11.1 ft (3.38m) below TOC  
 Water elevation: 123 ft (37.49m) msl

Time: 9:14

**WELL DCB 36C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 11.37 ft (3.47m) below TOC  
 Water elevation: 115.93 ft (35.34m) msl

Time: 9:14

**WELL DCB 37A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 11.99 ft (3.65m) below TOC  
 Water elevation: 118.81 ft (36.21m) msl

Time: 9:02

**WELL DCB 37C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 12.91 ft (3.94m) below TOC  
 Water elevation: 119.49 ft (36.42m) msl

Time: 9:02

**WELL DCB 38A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: Not available  
 Water elevation: Not available

Time: 16:18

**WELL DCB 38C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 23.42 ft (7.14m) below TOC  
 Water elevation: 111.88 ft (34.10m) msl

Time: 8:48

**WELL DCB 39A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 13.1 ft (3.99m) below TOC  
 Water elevation: 118.2 ft (36.03m) msl

Time: 8:56

**WELL DCB 39C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 16.25 ft (4.95m) below TOC  
 Water elevation: 115.85 ft (35.31m) msl

Time: 8:57

**WELL DCB 40A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 15.33 ft (4.67m) below TOC  
 Water elevation: 120.17 ft (36.63m) msl

Time: 8:12

**WELL DCB 41A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 12.79 ft (3.90m) below TOC  
 Water elevation: 120.51 ft (36.73m) msl

Time: 10:05

**WELL DCB 41C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 12.64 ft (3.85m) below TOC  
 Water elevation: 120.66 ft (36.78m) msl

Time: 10:05

**WELL DCB 42A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: Not available  
 Water elevation: Not available

Time: 16:18

**WELL DCB 42C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: Not available  
 Water elevation: Not available

Time: 16:18

**WELL DCB 43A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 15.92 ft (4.85m) below TOC  
 Water elevation: 118.18 ft (36.02m) msl

Time: 8:59

**WELL DCB 43C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 15.25 ft (4.65m) below TOC  
 Water elevation: 118.75 ft (36.20m) msl

Time: 8:59

**WELL DCB 44A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 13.11 ft (4.00m) below TOC  
 Water elevation: 119.99 ft (36.57m) msl

Time: 9:59

**WELL DCB 44C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 12.69 ft (3.87m) below TOC  
 Water elevation: 125.51 ft (38.26m) msl

Time: 10:00

**WELL DCB 45A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 14 ft (4.27m) below TOC  
 Water elevation: 123.6 ft (37.67m) msl

Time: 9:54

**WELL DCB 45C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 14.1 ft (4.30m) below TOC  
 Water elevation: 124.7 ft (38.01m) msl

Time: 9:55

**WELL DCB 46C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 21.76 ft (6.63m) below TOC  
 Water elevation: 108.74 ft (33.14m) msl

Time: 8:38

**WELL DCB 47C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 22.33 ft (6.81m) below TOC  
 Water elevation: 109.07 ft (33.24m) msl

Time: 8:44

**WELL DCB 48D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 14.11 ft (4.30m) below TOC  
 Water elevation: 95.29 ft (29.04m) msl

Time: 8:27

**WELL DOB 1**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 7.44 ft (2.27m) below TOC  
 Water elevation: 144.26 ft (43.97m) msl

Time: 12:20

**WELL DOB 2**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 8.43 ft (2.57m) below TOC  
 Water elevation: 143.77 ft (43.82m) msl

Time: 11:12

**WELL DOB 3**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 8.4 ft (2.56m) below TOC  
 Water elevation: 144.4 ft (44.01m) msl

Time: 11:01

**WELL DOB 4**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 9.18 ft (2.80m) below TOC  
 Water elevation: 143.82 ft (43.84m) msl

Time: 10:55

**WELL DOB 5**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 9.95 ft (3.03m) below TOC  
 Water elevation: 144.65 ft (44.09m) msl

Time: 11:54

**WELL DOB 6**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 6.51 ft (1.98m) below TOC  
 Water elevation: 144.29 ft (43.98m) msl

Time: 12:02

**WELL DOB 7**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 7.4 ft (2.26m) below TOC  
 Water elevation: 143.5 ft (43.74m) msl

Time: 11:38

**WELL DOB 8**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 9.49 ft (2.89m) below TOC  
 Water elevation: 144.01 ft (43.89m) msl

Time: 10:56

**WELL DOB 9**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 9.45 ft (2.88m) below TOC  
 Water elevation: 144.65 ft (44.09m) msl

Time: 11:04

**WELL DOB 10**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 9.91 ft (3.02m) below TOC  
 Water elevation: 143.59 ft (43.77m) msl

Time: 11:14

**WELL DOB 11**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 7.58 ft (2.31m) below TOC  
 Water elevation: 145.22 ft (44.26m) msl

Time: 11:17

**WELL DOB 12**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 8.81 ft (2.69m) below TOC  
 Water elevation: 143.19 ft (43.64m) msl

Time: 11:25

**WELL DOB 13**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 8.58 ft (2.62m) below TOC  
 Water elevation: 144.02 ft (43.90m) msl

Time: 11:47

**WELL DOB 14**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 8.45 ft (2.58m) below TOC  
 Water elevation: 144.05 ft (43.91m) msl

Time: 11:47

**WELL DOB 15**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 7.5 ft (2.29m) below TOC  
 Water elevation: 143.1 ft (43.62m) msl

Time: 12:30

**WELL DOB 16**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 8.03 ft (2.45m) below TOC  
 Water elevation: 143.07 ft (43.61m) msl

Time: 12:29

**WELL DOB 17**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 11.35 ft (3.46m) below TOC  
 Water elevation: 144.75 ft (44.12m) msl

Time: 12:39

**WELL DOB 18**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 16.25 ft (4.95m) below TOC  
 Water elevation: 139.95 ft (42.66m) msl

Time: 12:39

**WELL DOL 1**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 10.18 ft (3.10m) below TOC  
 Water elevation: 144.52 ft (44.05m) msl

Time: 11:58

**WELL DOL 2**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 9.5 ft (2.90m) below TOC  
 Water elevation: 143.5 ft (43.74m) msl

Time: 11:31

**WELL FOB 5C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 55.31 ft (16.86m) below TOC  
 Water elevation: 203.19 ft (61.93m) msl

Time: 21:57

**WELL FOB 7A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 147 ft (44.81m) below TOC  
 Water elevation: 150.5 ft (45.87m) msl

Time: 20:07

**WELL FOB 7C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 88.61 ft (27.01m) below TOC  
 Water elevation: 209.29 ft (63.79m) msl

Time: 20:09

**WELL FOB 9C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 83.73 ft (25.52m) below TOC  
 Water elevation: 211.07 ft (64.33m) msl

Time: 12:37

**WELL FSB 50PD**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 51.6 ft (15.73m) below TOC  
 Water elevation: 206.4 ft (62.91m) msl  
 Time: 21:55

**WELL FSB 76**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 75.95 ft (23.15m) below TOC  
 Water elevation: 218.25 ft (66.52m) msl  
 Time: 12:23

**WELL FSB 76A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 138.62 ft (42.25m) below TOC  
 Water elevation: 155.28 ft (47.33m) msl  
 Time: 12:23

**WELL FSB 76B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 142.3 ft (43.37m) below TOC  
 Water elevation: 151.5 ft (46.18m) msl  
 Time: 12:23

**WELL FSB 76C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 81.03 ft (24.70m) below TOC  
 Water elevation: 212.57 ft (64.79m) msl  
 Time: 12:23

**WELL FSB 77**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 60.78 ft (18.53m) below TOC  
 Water elevation: 212.52 ft (64.78m) msl  
 Time: 12:29

**WELL FSB 78**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 64.88 ft (19.78m) below TOC  
 Water elevation: 207.72 ft (63.31m) msl  
 Time: 21:46

**WELL FSB 78A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 116.7 ft (35.57m) below TOC  
 Water elevation: 155.9 ft (47.52m) msl  
 Time: 21:49

**WELL FSB 78B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 118.36 ft (36.08m) below TOC  
 Water elevation: 154.44 ft (47.07m) msl  
 Time: 21:50

**WELL FSB 78C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 66.15 ft (20.16m) below TOC  
 Water elevation: 207.35 ft (63.20m) msl  
 Time: 21:51

**WELL FSB 79**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 17.49 ft (5.33m) below TOC  
 Water elevation: 200.31 ft (61.06m) msl  
 Time: 12:30

**WELL FSB 79A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 60.05 ft (18.30m) below TOC  
 Water elevation: 158.05 ft (48.17m) msl  
 Time: 12:30

**WELL FSB 79B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 59.92 ft (18.26m) below TOC  
 Water elevation: 158.28 ft (48.24m) msl  
 Time: 12:31

**WELL FSB 79C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 22.3 ft (6.80m) below TOC  
 Water elevation: 196.1 ft (59.77m) msl  
 Time: 12:31

**WELL FSB 87A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99 Time: 21:02  
 Depth to water: 134.04 ft (40.86m) below TOC  
 Water elevation: 153.76 ft (46.87m) msl

**WELL FSB 87B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99 Time: 21:03  
 Depth to water: 136.97 ft (41.75m) below TOC  
 Water elevation: 150.53 ft (45.88m) msl

**WELL FSB 87C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99 Time: 21:04  
 Depth to water: 78.83 ft (24.03m) below TOC  
 Water elevation: 208.67 ft (63.60m) msl

**WELL FSB 87D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99 Time: 21:06  
 Depth to water: Not available  
 Water elevation: Not available

**WELL FSB 88C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99 Time: 12:25  
 Depth to water: 70.66 ft (21.54m) below TOC  
 Water elevation: 212.34 ft (64.72m) msl

**WELL FSB 88D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99 Time: 12:26  
 Depth to water: 65.9 ft (20.09m) below TOC  
 Water elevation: 216.5 ft (65.99m) msl

**WELL FSB 89C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99 Time: 12:26  
 Depth to water: 69.56 ft (21.20m) below TOC  
 Water elevation: 211.74 ft (64.54m) msl

**WELL FSB 89D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99 Time: 12:27  
 Depth to water: 65.37 ft (19.93m) below TOC  
 Water elevation: 215.83 ft (65.79m) msl

**WELL FSB 90C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99 Time: 12:27  
 Depth to water: 68.02 ft (20.73m) below TOC  
 Water elevation: 210.38 ft (64.12m) msl

**WELL FSB 90D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99 Time: 12:28  
 Depth to water: Not available  
 Water elevation: Not available

**WELL FSB 91C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99 Time: 12:28  
 Depth to water: 68.66 ft (20.93m) below TOC  
 Water elevation: 210.64 ft (64.20m) msl

**WELL FSB 91D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99 Time: 12:28  
 Depth to water: 65.73 ft (20.03m) below TOC  
 Water elevation: 213.47 ft (65.07m) msl

**WELL FSB 92C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99 Time: 12:29  
 Depth to water: 66.4 ft (20.24m) below TOC  
 Water elevation: 209.3 ft (63.80m) msl

**WELL FSB 92D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99 Time: 12:29  
 Depth to water: 64.35 ft (19.61m) below TOC  
 Water elevation: 211.55 ft (64.48m) msl

**WELL FSB 93C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 67.8 ft (20.67m) below TOC  
 Water elevation: 208.4 ft (63.52m) msl

Time: 12:29

**WELL FSB 93D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 66.18 ft (20.17m) below TOC  
 Water elevation: 209.92 ft (63.98m) msl

Time: 12:30

**WELL FSB 94C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 73.82 ft (22.50m) below TOC  
 Water elevation: 207.28 ft (63.18m) msl

Time: 21:39

**WELL FSB 94DR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 71.68 ft (21.85m) below TOC  
 Water elevation: 208.82 ft (63.65m) msl

Time: 21:41

**WELL FSB 95CR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 77.22 ft (23.54m) below TOC  
 Water elevation: 206.78 ft (63.03m) msl

Time: 21:34

**WELL FSB 95DR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 75.11 ft (22.89m) below TOC  
 Water elevation: 208.99 ft (63.70m) msl

Time: 21:37

**WELL FSB 96AR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 128.26 ft (39.09m) below TOC  
 Water elevation: 152.94 ft (46.62m) msl

Time: 21:30

**WELL FSB 97A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 134.18 ft (40.90m) below TOC  
 Water elevation: 151.92 ft (46.31m) msl

Time: 21:15

**WELL FSB 97C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 78.23 ft (23.84m) below TOC  
 Water elevation: 207.87 ft (63.36m) msl

Time: 21:17

**WELL FSB 97D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 75.75 ft (23.09m) below TOC  
 Water elevation: 210.25 ft (64.08m) msl

Time: 21:20

**WELL FSB 98AR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 132.81 ft (40.48m) below TOC  
 Water elevation: 151.19 ft (46.08m) msl

Time: 20:49

**WELL FSB 98C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 75.77 ft (23.09m) below TOC  
 Water elevation: 208.73 ft (63.62m) msl

Time: 20:55

**WELL FSB 98D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 72.75 ft (22.17m) below TOC  
 Water elevation: 211.75 ft (64.54m) msl

Time: 20:52

**WELL FSB 99A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 137.21 ft (41.82m) below TOC  
 Water elevation: 150.39 ft (45.84m) msl

Time: 20:38

**WATER-LEVEL DATA**

<b>WELL FSB 99C</b>	MEASUREMENTS CONDUCTED IN THE FIELD	Time: 20:39	<b>WELL FSB104D</b>	MEASUREMENTS CONDUCTED IN THE FIELD	Time: 22:08
Sample date: 06/25/99 Depth to water: 76.25 ft (23.85m) below TOC Water elevation: 209.45 ft (63.84m) msl			Sample date: 06/25/99 Depth to water: 16.55 ft (5.04m) below TOC Water elevation: 202.65 ft (61.77m) msl		
<b>WELL FSB 99D</b>	MEASUREMENTS CONDUCTED IN THE FIELD	Time: 20:41	<b>WELL FSB105C</b>	MEASUREMENTS CONDUCTED IN THE FIELD	Time: 21:24
Sample date: 06/25/99 Depth to water: 74.21 ft (22.66m) below TOC Water elevation: 213.39 ft (65.04m) msl			Sample date: 06/25/99 Depth to water: 78.63 ft (23.97m) below TOC Water elevation: 207.17 ft (63.15m) msl		
<b>WELL FSB100A</b>	MEASUREMENTS CONDUCTED IN THE FIELD	Time: 12:36	<b>WELL FSB105DR</b>	MEASUREMENTS CONDUCTED IN THE FIELD	Time: 21:27
Sample date: 06/28/99 Depth to water: 134.61 ft (41.03m) below TOC Water elevation: 151.39 ft (46.14m) msl			Sample date: 06/25/99 Depth to water: 75.6 ft (23.04m) below TOC Water elevation: 210 ft (64.01m) msl		
<b>WELL FSB101A</b>	MEASUREMENTS CONDUCTED IN THE FIELD	Time: 12:36	<b>WELL FSB106C</b>	MEASUREMENTS CONDUCTED IN THE FIELD	Time: 12:33
Sample date: 06/28/99 Depth to water: 133.55 ft (40.71m) below TOC Water elevation: 151.65 ft (46.22m) msl			Sample date: 06/28/99 Depth to water: 34.8 ft (10.61m) below TOC Water elevation: 200.3 ft (61.05m) msl		
<b>WELL FSB102C</b>	MEASUREMENTS CONDUCTED IN THE FIELD	Time: 12:33	<b>WELL FSB106D</b>	MEASUREMENTS CONDUCTED IN THE FIELD	Time: 12:34
Sample date: 06/28/99 Depth to water: 6.35 ft (1.94m) below TOC Water elevation: 194.75 ft (59.36m) msl			Sample date: 06/28/99 Depth to water: Not available Water elevation: Not available		
<b>WELL FSB103C</b>	MEASUREMENTS CONDUCTED IN THE FIELD	Time: 12:30	<b>WELL FSB107C</b>	MEASUREMENTS CONDUCTED IN THE FIELD	Time: 12:27
Sample date: 06/28/99 Depth to water: 40.75 ft (12.42m) below TOC Water elevation: 201.65 ft (61.46m) msl			Sample date: 06/28/99 Depth to water: 60.58 ft (18.47m) below TOC Water elevation: 210.32 ft (64.11m) msl		
<b>WELL FSB104C</b>	MEASUREMENTS CONDUCTED IN THE FIELD	Time: 22:08	<b>WELL FSB107D</b>	MEASUREMENTS CONDUCTED IN THE FIELD	Time: 12:27
Sample date: 06/25/99 Depth to water: 19.31 ft (5.89m) below TOC Water elevation: 199.79 ft (60.90m) msl			Sample date: 06/28/99 Depth to water: 57.1 ft (17.40m) below TOC Water elevation: 213.9 ft (65.20m) msl		

**WELL FSB108D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 79.78 ft (24.32m) below TOC  
 Water elevation: 218.22 ft (66.51m) msl

Time: 20:03

**WELL FSB109D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 78.9 ft (24.05m) below TOC  
 Water elevation: 214.2 ft (65.29m) msl

Time: 20:46

**WELL FSB110C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 34.31 ft (10.46m) below TOC  
 Water elevation: 200.19 ft (61.02m) msl

Time: 12:32

**WELL FSB110D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 30.7 ft (9.36m) below TOC  
 Water elevation: 203.8 ft (62.12m) msl

Time: 12:32

**WELL FSB111C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 64.45 ft (19.64m) below TOC  
 Water elevation: 211.85 ft (64.57m) msl

Time: 12:26

**WELL FSB111D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 61.12 ft (18.63m) below TOC  
 Water elevation: 215.48 ft (65.69m) msl

Time: 12:26

**WELL FSB112A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 76.2 ft (23.23m) below TOC  
 Water elevation: 152.9 ft (46.60m) msl

Time: 22:17

**WELL FSB112C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 28.79 ft (8.78m) below TOC  
 Water elevation: 200.31 ft (61.06m) msl

Time: 22:21

**WELL FSB112D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 25.79 ft (7.86m) below TOC  
 Water elevation: 203.81 ft (62.12m) msl

Time: 22:21

**WELL FSB113A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 63.45 ft (19.34m) below TOC  
 Water elevation: 159.75 ft (48.69m) msl

Time: 12:34

**WELL FSB113C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 21.3 ft (6.49m) below TOC  
 Water elevation: 201.6 ft (61.45m) msl

Time: 12:34

**WELL FSB113D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 16.7 ft (5.09m) below TOC  
 Water elevation: 205.8 ft (62.73m) msl

Time: 12:35

**WELL FSB114A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 96.65 ft (29.46m) below TOC  
 Water elevation: 155.35 ft (47.35m) msl

Time: 12:24

**WELL FSB114C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 39.41 ft (12.01m) below TOC  
 Water elevation: 212.79 ft (64.86m) msl

Time: 12:25

**WATER-LEVEL DATA**

<b>WELL FSB114D</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/28/99 Depth to water: 35.97 ft (10.95m) below TOC Water elevation: 216.23 ft (65.91m) msl	Time: 12:25	<b>WELL FSB119D</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/28/99 Depth to water: 47.96 ft (14.41m) below TOC Water elevation: 206.84 ft (63.05m) msl	Time: 12:36
<b>WELL FSB115C</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/28/99 Depth to water: 23.54 ft (7.18m) below TOC Water elevation: 184.26 ft (56.16m) msl	Time: 12:40	<b>WELL FSB120A</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/25/99 Depth to water: 116.04 ft (35.37m) below TOC Water elevation: 164.06 ft (50.01m) msl	Time: 20:24
<b>WELL FSB115D</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/28/99 Depth to water: 18 ft (5.49m) below TOC Water elevation: 190.5 ft (58.07m) msl	Time: 12:40	<b>WELL FSB120C</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/25/99 Depth to water: 74.4 ft (22.68m) below TOC Water elevation: 205.3 ft (62.58m) msl	Time: 20:26
<b>WELL FSB116C</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/28/99 Depth to water: 13.55 ft (4.13m) below TOC Water elevation: 188.95 ft (57.59m) msl	Time: 12:39	<b>WELL FSB120D</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/25/99 Depth to water: 71.77 ft (21.88m) below TOC Water elevation: 208.73 ft (63.62m) msl	Time: 20:27
<b>WELL FSB116D</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/28/99 Depth to water: 11.65 ft (3.55m) below TOC Water elevation: 191.25 ft (58.29m) msl	Time: 12:40	<b>WELL FSB121C</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/25/99 Depth to water: 53.33 ft (16.26m) below TOC Water elevation: 203.17 ft (61.93m) msl	Time: 20:17
<b>WELL FSB117D</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/28/99 Depth to water: 27.35 ft (8.34m) below TOC Water elevation: 203.35 ft (61.98m) msl	Time: 12:33	<b>WELL FSB121DR</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/25/99 Depth to water: 49.54 ft (15.10m) below TOC Water elevation: 205.96 ft (62.78m) msl	Time: 20:18
<b>WELL FSB118D</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/28/99 Depth to water: 32.65 ft (9.95m) below TOC Water elevation: 210.65 ft (64.21m) msl	Time: 12:35	<b>WELL FSB122C</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/25/99 Depth to water: 19.97 ft (6.09m) below TOC Water elevation: 198.03 ft (60.36m) msl	Time: 22:12

**WELL FSB122D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 16.31 ft (4.97m) below TOC  
 Water elevation: 201.29 ft (61.35m) msl

Time: 22:13

**WELL FSB123C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 28.6 ft (8.72m) below TOC  
 Water elevation: 209.5 ft (63.86m) msl

Time: 12:35

**WELL FSB123D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 27.15 ft (8.28m) below TOC  
 Water elevation: 210.95 ft (64.30m) msl

Time: 12:35

**WELL FSB150PC**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 38.61 ft (11.77m) below TOC  
 Water elevation: 198.19 ft (60.41m) msl

Time: 12:31

**WELL FSB150PD**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 53.09 ft (16.18m) below TOC  
 Water elevation: 206.31 ft (62.88m) msl

Time: 21:58

**WELL FSL 1D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/30/99  
 Depth to water: 86.89 ft (26.48m) below TOC  
 Water elevation: 223.91 ft (68.25m) msl

Time: 16:32

**WELL FSL 2D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 81.08 ft (24.71m) below TOC  
 Water elevation: 224.72 ft (68.50m) msl

Time: 12:37

**WELL FSL 3D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 79.67 ft (24.28m) below TOC  
 Water elevation: 222.33 ft (67.77m) msl

Time: 12:37

**WELL FSL 4D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 77.47 ft (23.61m) below TOC  
 Water elevation: 218.63 ft (66.03m) msl

Time: 12:37

**WELL FSL 5D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 71.26 ft (21.72m) below TOC  
 Water elevation: 220.54 ft (67.22m) msl

Time: 12:38

**WELL FSL 6D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 66.46 ft (20.26m) below TOC  
 Water elevation: 219.74 ft (66.98m) msl

Time: 12:38

**WELL FSL 7D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 69.08 ft (21.06m) below TOC  
 Water elevation: 218.52 ft (66.61m) msl

Time: 8:38

**WELL FSL 8D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 73.42 ft (22.38m) below TOC  
 Water elevation: 217.38 ft (66.26m) msl

Time: 12:24

**WELL FSL 9D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 69.4 ft (21.15m) below TOC  
 Water elevation: 216.5 ft (65.99m) msl

Time: 12:24

**WELL FSS 1D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 44.13 ft (13.45m) below TOC  
 Water elevation: 221.87 ft (67.63m) msl

Time: 12:39

**WELL FSS 2D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 40.3 ft (12.28m) below TOC  
 Water elevation: 221.3 ft (67.45m) msl

Time: 12:38

**WELL FSS 3D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 39.02 ft (11.89m) below TOC  
 Water elevation: 219.18 ft (66.81m) msl

Time: 12:38

**WELL FSS 4D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/28/99  
 Depth to water: 73.31 ft (22.35m) below TOC  
 Water elevation: 218.49 ft (66.60m) msl

Time: 12:39

**WELL HIW 1MD**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 37.06 ft (11.30m) below TOC  
 Water elevation: 237.54 ft (72.40m) msl

Time: 5:11

**WELL HIW 1MD**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 37.06 ft (11.30m) below TOC  
 Water elevation: 237.54 ft (72.40m) msl

Time: 5:11

**WELL HIW 1PD**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 39.68 ft (12.09m) below TOC  
 Water elevation: 236.72 ft (72.15m) msl

Time: 5:11

**WELL HIW 1PD**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 39.68 ft (12.09m) below TOC  
 Water elevation: 236.72 ft (72.15m) msl

Time: 5:11

**WELL HIW 2A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 110.74 ft (33.75m) below TOC  
 Water elevation: 167.26 ft (50.98m) msl

Time: 4:58

**WELL HIW 2A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 110.74 ft (33.75m) below TOC  
 Water elevation: 167.26 ft (50.98m) msl

Time: 4:58

**WELL HIW 2D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 44.05 ft (13.43m) below TOC  
 Water elevation: 233.75 ft (71.25m) msl

Time: 5:00

**WELL HIW 2D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 44.05 ft (13.43m) below TOC  
 Water elevation: 233.75 ft (71.25m) msl

Time: 5:00

**WELL HIW 2MC**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 39.1 ft (11.92m) below TOC  
 Water elevation: 231.8 ft (70.65m) msl

Time: 5:01

**WELL HIW 2MC**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 39.1 ft (11.92m) below TOC  
 Water elevation: 231.8 ft (70.65m) msl

Time: 5:01

**WELL HIW 3MC**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 42.55 ft (12.97m) below TOC  
 Water elevation: 231.45 ft (70.55m) msl

Time: 4:57

**WELL HIW 3MC**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 42.55 ft (12.97m) below TOC  
 Water elevation: 231.45 ft (70.55m) msl

Time: 4:57

**WELL HIW 5MC**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 38.5 ft (11.73m) below TOC  
 Water elevation: 229.7 ft (70.01m) msl

Time: 7:52

**WELL HIW 5MC**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 38.5 ft (11.73m) below TOC  
 Water elevation: 229.7 ft (70.01m) msl

Time: 7:52

**WELL HMD 1D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 57.2 ft (17.43m) below TOC  
 Water elevation: 207.3 ft (63.19m) msl

Time: 8:05

**WELL HMD 1D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 57.2 ft (17.43m) below TOC  
 Water elevation: 207.3 ft (63.19m) msl

Time: 8:05

**WELL HMD 1D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 57.18 ft (17.43m) below TOC  
 Water elevation: 207.32 ft (63.19m) msl

Time: 14:18

**WELL HMD 2D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 62.64 ft (19.09m) below TOC  
 Water elevation: 198.46 ft (60.49m) msl

Time: 8:08

**WELL HMD 2D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 62.64 ft (19.09m) below TOC  
 Water elevation: 198.46 ft (60.49m) msl

Time: 8:08

**WELL HMD 2D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 62.7 ft (19.11m) below TOC  
 Water elevation: 198.4 ft (60.47m) msl

Time: 14:18

**WELL HMD 3D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 61.41 ft (18.72m) below TOC  
 Water elevation: 198.09 ft (60.38m) msl

Time: 8:09

**WELL HMD 3D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 61.41 ft (18.72m) below TOC  
 Water elevation: 198.09 ft (60.38m) msl

Time: 8:09

**WELL HMD 3D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 61.41 ft (18.72m) below TOC  
 Water elevation: 198.09 ft (60.38m) msl

Time: 14:18

**WELL HMD 4D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 52.32 ft (15.95m) below TOC  
 Water elevation: 198.58 ft (60.53m) msl

Time: 8:11

**WELL HMD 4D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 52.32 ft (15.95m) below TOC  
 Water elevation: 198.58 ft (60.53m) msl  
 Time: 8:11

**WELL HMD 4D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/25/99  
 Depth to water: 52.35 ft (15.96m) below TOC  
 Water elevation: 198.55 ft (60.52m) msl  
 Time: 14:19

**WELL HSB 50PC**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 22.32 ft (6.80m) below TOC  
 Water elevation: 209.38 ft (63.82m) msl  
 Time: 7:24

**WELL HSB 50PC**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 22.32 ft (6.80m) below TOC  
 Water elevation: 209.38 ft (63.82m) msl  
 Time: 7:24

**WELL HSB 65**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 37.1 ft (11.31m) below TOC  
 Water elevation: 234.9 ft (71.60m) msl  
 Time: 5:05

**WELL HSB 65**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 37.1 ft (11.31m) below TOC  
 Water elevation: 234.9 ft (71.60m) msl  
 Time: 5:05

**WELL HSB 65A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 102.28 ft (31.18m) below TOC  
 Water elevation: 171.32 ft (52.22m) msl  
 Time: 5:07

**WELL HSB 65A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 102.28 ft (31.18m) below TOC  
 Water elevation: 171.32 ft (52.22m) msl  
 Time: 5:07

**WELL HSB 65B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 49.7 ft (15.15m) below TOC  
 Water elevation: 224 ft (68.28m) msl  
 Time: 5:07

**WELL HSB 65B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 49.7 ft (15.15m) below TOC  
 Water elevation: 224 ft (68.28m) msl  
 Time: 5:07

**WELL HSB 65C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 37.68 ft (11.49m) below TOC  
 Water elevation: 235.92 ft (71.91m) msl  
 Time: 5:08

**WELL HSB 65C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 37.68 ft (11.49m) below TOC  
 Water elevation: 235.92 ft (71.91m) msl  
 Time: 5:08

**WELL HSB 66**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 69.8 ft (21.28m) below TOC  
 Water elevation: 210.4 ft (64.13m) msl  
 Time: 4:54

**WELL HSB 66**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 69.8 ft (21.28m) below TOC  
 Water elevation: 210.4 ft (64.13m) msl  
 Time: 4:54

**WELL HSB 67**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 16.5 ft (5.03m) below TOC  
Water elevation: 221.3 ft (67.45m) msl

Time: 6:03

**WELL HSB 67**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 16.5 ft (5.03m) below TOC  
Water elevation: 221.3 ft (67.45m) msl

Time: 6:03

**WELL HSB 68**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 32.58 ft (9.93m) below TOC  
Water elevation: 217.52 ft (66.30m) msl

Time: 6:54

**WELL HSB 68**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 32.58 ft (9.93m) below TOC  
Water elevation: 217.52 ft (66.30m) msl

Time: 6:54

**WELL HSB 68A**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 77.53 ft (23.63m) below TOC  
Water elevation: 171.87 ft (52.39m) msl

Time: 6:54

**WELL HSB 68A**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 77.53 ft (23.63m) below TOC  
Water elevation: 171.87 ft (52.39m) msl

Time: 6:54

**WELL HSB 68B**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 34.95 ft (10.65m) below TOC  
Water elevation: 215.05 ft (65.55m) msl

Time: 6:55

**WELL HSB 68B**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 34.95 ft (10.65m) below TOC  
Water elevation: 215.05 ft (65.55m) msl

Time: 6:55

**WELL HSB 68C**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 34.3 ft (10.45m) below TOC  
Water elevation: 215.8 ft (65.78m) msl

Time: 6:56

**WELL HSB 68C**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 34.3 ft (10.45m) below TOC  
Water elevation: 215.8 ft (65.78m) msl

Time: 6:56

**WELL HSB 69**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 20.45 ft (6.23m) below TOC  
Water elevation: 215.55 ft (65.70m) msl

Time: 7:03

**WELL HSB 69**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 20.45 ft (6.23m) below TOC  
Water elevation: 215.55 ft (65.70m) msl

Time: 7:03

**WELL HSB 69A**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 64.35 ft (19.61m) below TOC  
Water elevation: 172.25 ft (52.50m) msl

Time: 7:03

**WELL HSB 69A**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 64.35 ft (19.61m) below TOC  
Water elevation: 172.25 ft (52.50m) msl

Time: 7:03

**WATER-LEVEL DATA**

**WELL HSB 70**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 23.8 ft (7.25m) below TOC  
Water elevation: 219 ft (66.75m) msl

Time: 7:16

**WELL HSB 70**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 23.8 ft (7.25m) below TOC  
Water elevation: 219 ft (66.75m) msl

Time: 7:16

**WELL HSB 70C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 24.23 ft (7.40m) below TOC  
Water elevation: 218.81 ft (66.69m) msl

Time: 7:16

**WELL HSB 70C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 24.23 ft (7.40m) below TOC  
Water elevation: 218.81 ft (66.69m) msl

Time: 7:16

**WELL HSB 71**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 14.6 ft (4.45m) below TOC  
Water elevation: 226.8 ft (69.13m) msl

Time: 7:34

**WELL HSB 71**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 14.6 ft (4.45m) below TOC  
Water elevation: 226.8 ft (69.13m) msl

Time: 7:34

**WELL HSB 71C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 22.79 ft (6.95m) below TOC  
Water elevation: 218.81 ft (66.69m) msl

Time: 7:37

**WELL HSB 71C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 22.79 ft (6.95m) below TOC  
Water elevation: 218.81 ft (66.69m) msl

Time: 7:37

**WELL HSB 83A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 63.92 ft (19.48m) below TOC  
Water elevation: 173.38 ft (52.85m) msl

Time: 5:53

**WELL HSB 83A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 63.92 ft (19.48m) below TOC  
Water elevation: 173.38 ft (52.85m) msl

Time: 5:53

**WELL HSB 83B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 15.1 ft (4.60m) below TOC  
Water elevation: 221.9 ft (67.64m) msl

Time: 5:54

**WELL HSB 83B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 15.1 ft (4.60m) below TOC  
Water elevation: 221.9 ft (67.64m) msl

Time: 5:54

**WELL HSB 83C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 13.5 ft (4.11m) below TOC  
Water elevation: 223.6 ft (68.15m) msl

Time: 5:55

**WELL HSB 83C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 13.5 ft (4.11m) below TOC  
Water elevation: 223.6 ft (68.15m) msl

Time: 5:55

**WELL HSB 83D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 13.65 ft (4.16m) below TOC  
Water elevation: 223.35 ft (68.08m) msl

Time: 5:56

**WELL HSB 83D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 13.65 ft (4.16m) below TOC  
Water elevation: 223.35 ft (68.08m) msl

Time: 5:56

**WELL HSB 84A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 56.76 ft (17.30m) below TOC  
Water elevation: 171.94 ft (52.41m) msl

Time: 7:06

**WELL HSB 84A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 56.76 ft (17.30m) below TOC  
Water elevation: 171.94 ft (52.41m) msl

Time: 7:06

**WELL HSB 84B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 20.4 ft (6.22m) below TOC  
Water elevation: 208.5 ft (63.55m) msl

Time: 7:06

**WELL HSB 84B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 20.4 ft (6.22m) below TOC  
Water elevation: 208.5 ft (63.55m) msl

Time: 7:06

**WELL HSB 84C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 18.12 ft (5.52m) below TOC  
Water elevation: 210.98 ft (64.31m) msl

Time: 7:07

**WELL HSB 84C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 18.12 ft (5.52m) below TOC  
Water elevation: 210.98 ft (64.31m) msl

Time: 7:07

**WELL HSB 84D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 13.55 ft (4.13m) below TOC  
Water elevation: 215.25 ft (65.61m) msl

Time: 7:07

**WELL HSB 84D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 13.55 ft (4.13m) below TOC  
Water elevation: 215.25 ft (65.61m) msl

Time: 7:07

**WELL HSB 85A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 125.58 ft (38.28m) below TOC  
Water elevation: 168.82 ft (51.46m) msl

Time: 7:59

**WELL HSB 85A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 125.58 ft (38.28m) below TOC  
Water elevation: 168.82 ft (51.46m) msl

Time: 7:59

**WELL HSB 85B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 61.78 ft (18.83m) below TOC  
Water elevation: 232.72 ft (70.93m) msl

Time: 8:00

**WELL HSB 85B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 61.78 ft (18.83m) below TOC  
Water elevation: 232.72 ft (70.93m) msl

Time: 8:00

**WELL HSB 85C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 55.9 ft (17.04m) below TOC  
 Water elevation: 238.2 ft (72.60m) msl  
 Time: 8:01

**WELL HSB 85C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 55.9 ft (17.04m) below TOC  
 Water elevation: 238.2 ft (72.60m) msl  
 Time: 8:01

**WELL HSB 86A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 93.85 ft (28.61m) below TOC  
 Water elevation: 168.55 ft (51.37m) msl  
 Time: 3:49

**WELL HSB 86A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 93.85 ft (28.61m) below TOC  
 Water elevation: 168.55 ft (51.37m) msl  
 Time: 3:49

**WELL HSB 86B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 44.65 ft (13.61m) below TOC  
 Water elevation: 217.25 ft (66.22m) msl  
 Time: 3:50

**WELL HSB 86B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 44.65 ft (13.61m) below TOC  
 Water elevation: 217.25 ft (66.22m) msl  
 Time: 3:50

**WELL HSB 86C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 43.92 ft (13.39m) below TOC  
 Water elevation: 218.98 ft (66.75m) msl  
 Time: 3:51

**WELL HSB 86C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 43.92 ft (13.39m) below TOC  
 Water elevation: 218.98 ft (66.75m) msl  
 Time: 3:51

**WELL HSB 86D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 44.05 ft (13.43m) below TOC  
 Water elevation: 218.95 ft (66.74m) msl  
 Time: 3:52

**WELL HSB 86D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 44.05 ft (13.43m) below TOC  
 Water elevation: 218.95 ft (66.74m) msl  
 Time: 3:52

**WELL HSB100C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 34.26 ft (10.44m) below TOC  
 Water elevation: 225.94 ft (68.87m) msl  
 Time: 4:38

**WELL HSB100C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 34.26 ft (10.44m) below TOC  
 Water elevation: 225.94 ft (68.87m) msl  
 Time: 4:38

**WELL HSB100D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 25.88 ft (7.89m) below TOC  
 Water elevation: 234.22 ft (71.39m) msl  
 Time: 4:40

**WELL HSB100D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 25.88 ft (7.89m) below TOC  
 Water elevation: 234.22 ft (71.39m) msl  
 Time: 4:40

**WELL HSB100PC**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 24.15 ft (7.36m) below TOC  
 Water elevation: 205.65 ft (62.74m) msl

Time: 7:23

**WELL HSB100PC**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 24.15 ft (7.36m) below TOC  
 Water elevation: 205.65 ft (62.74m) msl

Time: 7:23

**WELL HSB100PD**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 11.22 ft (3.42m) below TOC  
 Water elevation: 214.78 ft (65.47m) msl

Time: 7:01

**WELL HSB100PD**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 11.22 ft (3.42m) below TOC  
 Water elevation: 214.78 ft (65.47m) msl

Time: 7:01

**WELL HSB101C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 27.88 ft (8.50m) below TOC  
 Water elevation: 230.62 ft (70.29m) msl

Time: 4:36

**WELL HSB101C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 27.88 ft (8.50m) below TOC  
 Water elevation: 230.62 ft (70.29m) msl

Time: 4:36

**WELL HSB101D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 33.65 ft (10.26m) below TOC  
 Water elevation: 225.05 ft (68.60m) msl

Time: 4:36

**WELL HSB101D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 33.65 ft (10.26m) below TOC  
 Water elevation: 225.05 ft (68.60m) msl

Time: 4:36

**WELL HSB102C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 35.1 ft (10.70m) below TOC  
 Water elevation: 223.9 ft (68.25m) msl

Time: 4:33

**WELL HSB102C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 35.1 ft (10.70m) below TOC  
 Water elevation: 223.9 ft (68.25m) msl

Time: 4:33

**WELL HSB102D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 30.65 ft (9.34m) below TOC  
 Water elevation: 227.95 ft (69.48m) msl

Time: 4:34

**WELL HSB102D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 30.65 ft (9.34m) below TOC  
 Water elevation: 227.95 ft (69.48m) msl

Time: 4:34

**WELL HSB103C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 24.81 ft (7.56m) below TOC  
 Water elevation: 222.59 ft (67.85m) msl

Time: 4:31

**WELL HSB103C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 24.81 ft (7.56m) below TOC  
 Water elevation: 222.59 ft (67.85m) msl

Time: 4:31

**WATER-LEVEL DATA**

**WELL HSB103D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 24.56 ft (7.49m) below TOC  
Water elevation: 223.04 ft (67.98m) msl

Time: 4:32

**WELL HSB103D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 24.56 ft (7.49m) below TOC  
Water elevation: 223.04 ft (67.98m) msl

Time: 4:32

**WELL HSB104C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 28.88 ft (8.80m) below TOC  
Water elevation: 219.02 ft (66.76m) msl

Time: 4:29

**WELL HSB104C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 28.88 ft (8.80m) below TOC  
Water elevation: 219.02 ft (66.76m) msl

Time: 4:29

**WELL HSB104D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 26.8 ft (8.17m) below TOC  
Water elevation: 221 ft (67.36m) msl

Time: 4:30

**WELL HSB104D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 26.8 ft (8.17m) below TOC  
Water elevation: 221 ft (67.36m) msl

Time: 4:30

**WELL HSB105C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 31.6 ft (9.63m) below TOC  
Water elevation: 217.9 ft (66.42m) msl

Time: 4:21

**WELL HSB105C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 31.6 ft (9.63m) below TOC  
Water elevation: 217.9 ft (66.42m) msl

Time: 4:21

**WELL HSB105D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: Not available  
Water elevation: Not available

Time: 4:21

**WELL HSB106C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 32.5 ft (9.91m) below TOC  
Water elevation: 220.4 ft (67.18m) msl

Time: 4:19

**WELL HSB106C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 32.5 ft (9.91m) below TOC  
Water elevation: 220.4 ft (67.18m) msl

Time: 4:19

**WELL HSB106D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 29.74 ft (9.06m) below TOC  
Water elevation: 223.16 ft (68.02m) msl

Time: 4:19

**WELL HSB106D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 29.74 ft (9.06m) below TOC  
Water elevation: 223.16 ft (68.02m) msl

Time: 4:19

**WELL HSB107C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 44.1 ft (13.44m) below TOC  
Water elevation: 217.5 ft (66.29m) msl

Time: 4:17

**WELL HSB107C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 44.1 ft (13.44m) below TOC  
 Water elevation: 217.5 ft (66.29m) msl

Time: 4:17

**WELL HSB107D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 40.94 ft (12.48m) below TOC  
 Water elevation: 221.36 ft (67.47m) msl

Time: 4:17

**WELL HSB107D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 40.94 ft (12.48m) below TOC  
 Water elevation: 221.36 ft (67.47m) msl

Time: 4:17

**WELL HSB108C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 49.67 ft (15.14m) below TOC  
 Water elevation: 216.53 ft (66.00m) msl

Time: 4:14

**WELL HSB108C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 49.67 ft (15.14m) below TOC  
 Water elevation: 216.53 ft (66.00m) msl

Time: 4:14

**WELL HSB108D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 46.3 ft (14.11m) below TOC  
 Water elevation: 220 ft (67.06m) msl

Time: 4:15

**WELL HSB108D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 46.3 ft (14.11m) below TOC  
 Water elevation: 220 ft (67.06m) msl

Time: 4:15

**WELL HSB109C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 44.8 ft (13.66m) below TOC  
 Water elevation: 216.8 ft (66.08m) msl

Time: 4:10

**WELL HSB109C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 44.8 ft (13.66m) below TOC  
 Water elevation: 216.8 ft (66.08m) msl

Time: 4:10

**WELL HSB109D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: Not available  
 Water elevation: Not available

Time: 4:11

**WELL HSB110C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 38.8 ft (11.83m) below TOC  
 Water elevation: 216.9 ft (66.11m) msl

Time: 4:08

**WELL HSB110C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 38.8 ft (11.83m) below TOC  
 Water elevation: 216.9 ft (66.11m) msl

Time: 4:08

**WELL HSB110D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 37.61 ft (11.46m) below TOC  
 Water elevation: 217.99 ft (66.44m) msl

Time: 4:08

**WELL HSB110D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 37.61 ft (11.46m) below TOC  
 Water elevation: 217.99 ft (66.44m) msl

Time: 4:08

**WELL HSB111C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 38.61 ft (11.77m) below TOC  
 Water elevation: 217.39 ft (66.26m) msl

Time: 4:05

**WELL HSB111C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 38.61 ft (11.77m) below TOC  
 Water elevation: 217.39 ft (66.26m) msl

Time: 4:05

**WELL HSB111D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 39.41 ft (12.01m) below TOC  
 Water elevation: 216.59 ft (66.02m) msl

Time: 4:06

**WELL HSB111D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 39.41 ft (12.01m) below TOC  
 Water elevation: 216.59 ft (66.02m) msl

Time: 4:06

**WELL HSB111E**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 38.98 ft (11.88m) below TOC  
 Water elevation: 216.92 ft (66.12m) msl

Time: 4:06

**WELL HSB111E**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 38.98 ft (11.88m) below TOC  
 Water elevation: 216.92 ft (66.12m) msl

Time: 4:06

**WELL HSB112C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 36.65 ft (11.17m) below TOC  
 Water elevation: 218.25 ft (66.52m) msl

Time: 4:00

**WELL HSB112C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 36.65 ft (11.17m) below TOC  
 Water elevation: 218.25 ft (66.52m) msl

Time: 4:00

**WELL HSB112D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 36.96 ft (11.27m) below TOC  
 Water elevation: 218.14 ft (66.49m) msl

Time: 4:02

**WELL HSB112D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 36.96 ft (11.27m) below TOC  
 Water elevation: 218.14 ft (66.49m) msl

Time: 4:02

**WELL HSB112E**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: Not available  
 Water elevation: Not available

Time: 4:02

**WELL HSB113C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 43.35 ft (13.21m) below TOC  
 Water elevation: 217.65 ft (66.34m) msl

Time: 3:57

**WELL HSB113C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 43.35 ft (13.21m) below TOC  
 Water elevation: 217.65 ft (66.34m) msl

Time: 3:57

**WELL HSB113D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 43.08 ft (13.13m) below TOC  
 Water elevation: 217.82 ft (66.39m) msl

Time: 3:58

**WELL HSB113D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 43.08 ft (13.13m) below TOC  
 Water elevation: 217.82 ft (66.39m) msl

Time: 3:58

**WELL HSB114C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: Not available  
 Water elevation: Not available

Time: 3:54

**WELL HSB114D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 45.28 ft (13.80m) below TOC  
 Water elevation: 218.72 ft (66.67m) msl

Time: 3:56

**WELL HSB114D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 45.28 ft (13.80m) below TOC  
 Water elevation: 218.72 ft (66.67m) msl

Time: 3:56

**WELL HSB115C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 49.4 ft (15.06m) below TOC  
 Water elevation: 219.9 ft (67.03m) msl

Time: 3:46

**WELL HSB115C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 49.4 ft (15.06m) below TOC  
 Water elevation: 219.9 ft (67.03m) msl

Time: 3:46

**WELL HSB115D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 49.3 ft (15.03m) below TOC  
 Water elevation: 219.8 ft (67.00m) msl

Time: 3:48

**WELL HSB115D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 49.3 ft (15.03m) below TOC  
 Water elevation: 219.8 ft (67.00m) msl

Time: 3:48

**WELL HSB116C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 35.9 ft (10.94m) below TOC  
 Water elevation: 221.6 ft (67.54m) msl

Time: 3:42

**WELL HSB116C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 35.9 ft (10.94m) below TOC  
 Water elevation: 221.6 ft (67.54m) msl

Time: 3:42

**WELL HSB116D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 35.4 ft (10.79m) below TOC  
 Water elevation: 221.4 ft (67.48m) msl

Time: 3:43

**WELL HSB116D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 35.4 ft (10.79m) below TOC  
 Water elevation: 221.4 ft (67.48m) msl

Time: 3:43

**WELL HSB117A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 70.98 ft (21.63m) below TOC  
 Water elevation: 166.32 ft (50.69m) msl

Time: 7:31

**WELL HSB117A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 70.98 ft (21.63m) below TOC  
 Water elevation: 166.32 ft (50.69m) msl

Time: 7:31

**WELL HSB117C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 20.05 ft (6.11m) below TOC  
 Water elevation: 217.35 ft (66.25m) msl

Time: 7:32

**WELL HSB117C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 20.05 ft (6.11m) below TOC  
 Water elevation: 217.35 ft (66.25m) msl

Time: 7:32

**WELL HSB117D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 18.37 ft (5.60m) below TOC  
 Water elevation: 219.23 ft (66.82m) msl

Time: 7:32

**WELL HSB117D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 18.37 ft (5.60m) below TOC  
 Water elevation: 219.23 ft (66.82m) msl

Time: 7:32

**WELL HSB118A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 79.73 ft (24.30m) below TOC  
 Water elevation: 167.57 ft (51.08m) msl

Time: 7:19

**WELL HSB118A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 79.73 ft (24.30m) below TOC  
 Water elevation: 167.57 ft (51.08m) msl

Time: 7:19

**WELL HSB119A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 90.25 ft (27.51m) below TOC  
 Water elevation: 166.85 ft (50.86m) msl

Time: 3:41

**WELL HSB119A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 90.25 ft (27.51m) below TOC  
 Water elevation: 166.85 ft (50.86m) msl

Time: 3:41

**WELL HSB120A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 101.96 ft (31.08m) below TOC  
 Water elevation: 166.24 ft (50.67m) msl

Time: 3:39

**WELL HSB120A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 101.96 ft (31.08m) below TOC  
 Water elevation: 166.24 ft (50.67m) msl

Time: 3:39

**WELL HSB121A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 102.95 ft (31.38m) below TOC  
 Water elevation: 171.65 ft (52.32m) msl

Time: 4:51

**WELL HSB121A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 102.95 ft (31.38m) below TOC  
 Water elevation: 171.65 ft (52.32m) msl

Time: 4:51

**WELL HSB122A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 100.15 ft (30.53m) below TOC  
 Water elevation: 171.45 ft (52.26m) msl

Time: 4:49

**WELL HSB122A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 100.15 ft (30.53m) below TOC  
 Water elevation: 171.45 ft (52.26m) msl

Time: 4:49

**WELL HSB123A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 93.6 ft (28.53m) below TOC  
Water elevation: 172.1 ft (52.46m) msl

Time: 4:47

**WELL HSB123A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 93.6 ft (28.53m) below TOC  
Water elevation: 172.1 ft (52.46m) msl

Time: 4:47

**WELL HSB124AR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 94.9 ft (28.93m) below TOC  
Water elevation: 171.9 ft (52.40m) msl

Time: 4:44

**WELL HSB124AR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 94.9 ft (28.93m) below TOC  
Water elevation: 171.9 ft (52.40m) msl

Time: 4:44

**WELL HSB125C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 9.55 ft (2.91m) below TOC  
Water elevation: 222.35 ft (67.77m) msl

Time: 6:00

**WELL HSB125C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 9.55 ft (2.91m) below TOC  
Water elevation: 222.35 ft (67.77m) msl

Time: 6:00

**WELL HSB125D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 12.14 ft (3.70m) below TOC  
Water elevation: 219.56 ft (66.92m) msl

Time: 6:01

**WELL HSB125D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 12.14 ft (3.70m) below TOC  
Water elevation: 219.56 ft (66.92m) msl

Time: 6:01

**WELL HSB126C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 8.89 ft (2.71m) below TOC  
Water elevation: 203.71 ft (62.09m) msl

Time: 4:24

**WELL HSB126C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 8.89 ft (2.71m) below TOC  
Water elevation: 203.71 ft (62.09m) msl

Time: 4:24

**WELL HSB126D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 7.7 ft (2.35m) below TOC  
Water elevation: 205 ft (62.48m) msl

Time: 4:24

**WELL HSB126D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 7.7 ft (2.35m) below TOC  
Water elevation: 205 ft (62.48m) msl

Time: 4:24

**WELL HSB127C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 16.95 ft (5.17m) below TOC  
Water elevation: 208.75 ft (63.63m) msl

Time: 6:50

**WELL HSB127C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 16.95 ft (5.17m) below TOC  
Water elevation: 208.75 ft (63.63m) msl

Time: 6:50

**WELL HSB127D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 13.95 ft (4.25m) below TOC  
 Water elevation: 212.15 ft (64.66m) msl

Time: 6:52

**WELL HSB127D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 13.95 ft (4.25m) below TOC  
 Water elevation: 212.15 ft (64.66m) msl

Time: 6:52

**WELL HSB129C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 11.08 ft (3.38m) below TOC  
 Water elevation: 204.02 ft (62.19m) msl

Time: 7:26

**WELL HSB129C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 11.08 ft (3.38m) below TOC  
 Water elevation: 204.02 ft (62.19m) msl

Time: 7:26

**WELL HSB129D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 7.48 ft (2.28m) below TOC  
 Water elevation: 207.22 ft (63.16m) msl

Time: 7:27

**WELL HSB129D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 7.48 ft (2.28m) below TOC  
 Water elevation: 207.22 ft (63.16m) msl

Time: 7:27

**WELL HSB130C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 18.7 ft (5.70m) below TOC  
 Water elevation: 199.6 ft (60.84m) msl

Time: 6:17

**WELL HSB130C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 18.7 ft (5.70m) below TOC  
 Water elevation: 199.6 ft (60.84m) msl

Time: 6:17

**WELL HSB130D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 18.88 ft (5.75m) below TOC  
 Water elevation: 199.72 ft (60.88m) msl

Time: 6:18

**WELL HSB130D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 18.88 ft (5.75m) below TOC  
 Water elevation: 199.72 ft (60.88m) msl

Time: 6:18

**WELL HSB131C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 8.16 ft (2.49m) below TOC  
 Water elevation: 203.54 ft (62.04m) msl

Time: 6:33

**WELL HSB131C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 8.16 ft (2.49m) below TOC  
 Water elevation: 203.54 ft (62.04m) msl

Time: 6:33

**WELL HSB132C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 20.46 ft (6.24m) below TOC  
 Water elevation: 220.04 ft (67.07m) msl

Time: 5:44

**WELL HSB132C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 20.46 ft (6.24m) below TOC  
 Water elevation: 220.04 ft (67.07m) msl

Time: 5:44

**WELL HSB132D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 21.15 ft (6.45m) below TOC  
 Water elevation: 219.55 ft (66.92m) msl

Time: 5:45

**WELL HSB132D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 21.15 ft (6.45m) below TOC  
 Water elevation: 219.55 ft (66.92m) msl

Time: 5:45

**WELL HSB133C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 25.85 ft (7.88m) below TOC  
 Water elevation: 229.75 ft (70.03m) msl

Time: 5:49

**WELL HSB133C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 25.85 ft (7.88m) below TOC  
 Water elevation: 229.75 ft (70.03m) msl

Time: 5:49

**WELL HSB133D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 20.31 ft (6.19m) below TOC  
 Water elevation: 234.99 ft (71.63m) msl

Time: 5:50

**WELL HSB133D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 20.31 ft (6.19m) below TOC  
 Water elevation: 234.99 ft (71.63m) msl

Time: 5:50

**WELL HSB134C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 18.81 ft (5.73m) below TOC  
 Water elevation: 219.59 ft (66.93m) msl

Time: 6:06

**WELL HSB134C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 18.81 ft (5.73m) below TOC  
 Water elevation: 219.59 ft (66.93m) msl

Time: 6:06

**WELL HSB134D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 19.83 ft (6.04m) below TOC  
 Water elevation: 218.27 ft (66.53m) msl

Time: 6:06

**WELL HSB134D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 19.83 ft (6.04m) below TOC  
 Water elevation: 218.27 ft (66.53m) msl

Time: 6:06

**WELL HSB135C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 26.15 ft (7.98m) below TOC  
 Water elevation: 205.82 ft (62.73m) msl

Time: 6:59

**WELL HSB135C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 26.18 ft (7.98m) below TOC  
 Water elevation: 205.82 ft (62.73m) msl

Time: 6:59

**WELL HSB135D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 17.55 ft (5.35m) below TOC  
 Water elevation: 214.75 ft (65.46m) msl

Time: 6:59

**WELL HSB135D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 17.55 ft (5.35m) below TOC  
 Water elevation: 214.75 ft (65.46m) msl

Time: 6:59

**WATER-LEVEL DATA**

<p><b>WELL HSB136C</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 17.4 ft (5.30m) below TOC                      Water elevation: 210.5 ft (64.16m) msl</p>	<p>Time: 7:11</p>	<p><b>WELL HSB137D</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 19.5 ft (5.94m) below TOC                      Water elevation: 217.1 ft (66.17m) msl</p>	<p>Time: 7:21</p>
<p><b>WELL HSB136C</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 17.4 ft (5.30m) below TOC                      Water elevation: 210.5 ft (64.16m) msl</p>	<p>Time: 7:11</p>	<p><b>WELL HSB138D</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 32.02 ft (9.76m) below TOC                      Water elevation: 220.38 ft (67.17m) msl</p>	<p>Time: 7:50</p>
<p><b>WELL HSB136D</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 12.04 ft (3.67m) below TOC                      Water elevation: 215.96 ft (65.83m) msl</p>	<p>Time: 7:12</p>	<p><b>WELL HSB138D</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 32.02 ft (9.76m) below TOC                      Water elevation: 220.38 ft (67.17m) msl</p>	<p>Time: 7:50</p>
<p><b>WELL HSB136D</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 12.04 ft (3.67m) below TOC                      Water elevation: 215.96 ft (65.83m) msl</p>	<p>Time: 7:12</p>	<p><b>WELL HSB139A</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 59.9 ft (18.26m) below TOC                      Water elevation: 173.8 ft (52.97m) msl</p>	<p>Time: 6:46</p>
<p><b>WELL HSB137C</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 22.94 ft (6.99m) below TOC                      Water elevation: 213.06 ft (64.94m) msl</p>	<p>Time: 7:21</p>	<p><b>WELL HSB139A</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 59.9 ft (18.26m) below TOC                      Water elevation: 173.8 ft (52.97m) msl</p>	<p>Time: 6:46</p>
<p><b>WELL HSB137C</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 22.94 ft (6.99m) below TOC                      Water elevation: 213.06 ft (64.94m) msl</p>	<p>Time: 7:21</p>	<p><b>WELL HSB139C</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 21.46 ft (6.54m) below TOC                      Water elevation: 212.34 ft (64.72m) msl</p>	<p>Time: 6:46</p>
<p><b>WELL HSB137D</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 19.5 ft (5.94m) below TOC                      Water elevation: 217.1 ft (66.17m) msl</p>	<p>Time: 7:21</p>	<p><b>WELL HSB139C</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 21.46 ft (6.54m) below TOC                      Water elevation: 212.34 ft (64.72m) msl</p>	<p>Time: 6:46</p>

**WELL HSB139D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 16.22 ft (4.94m) below TOC  
 Water elevation: 217.58 ft (66.32m) msl

Time: 6:46

**WELL HSB139D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 16.22 ft (4.94m) below TOC  
 Water elevation: 217.58 ft (66.32m) msl

Time: 6:46

**WELL HSB140A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 60.4 ft (18.41m) below TOC  
 Water elevation: 175.5 ft (53.49m) msl

Time: 6:29

**WELL HSB140A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 60.4 ft (18.41m) below TOC  
 Water elevation: 175.5 ft (53.49m) msl

Time: 6:29

**WELL HSB140C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 30.48 ft (9.29m) below TOC  
 Water elevation: 205.12 ft (62.52m) msl

Time: 6:29

**WELL HSB140C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 30.48 ft (9.29m) below TOC  
 Water elevation: 205.12 ft (62.52m) msl

Time: 6:29

**WELL HSB140D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 23.9 ft (7.28m) below TOC  
 Water elevation: 212.3 ft (64.71m) msl

Time: 6:28

**WELL HSB140D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 23.9 ft (7.28m) below TOC  
 Water elevation: 212.3 ft (64.71m) msl

Time: 6:28

**WELL HSB141A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 79.78 ft (24.32m) below TOC  
 Water elevation: 174.82 ft (53.29m) msl

Time: 5:42

**WELL HSB141A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 79.78 ft (24.32m) below TOC  
 Water elevation: 174.82 ft (53.29m) msl

Time: 5:42

**WELL HSB141CR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 27.7 ft (8.44m) below TOC  
 Water elevation: 226.6 ft (69.07m) msl

Time: 5:42

**WELL HSB141CR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 27.7 ft (8.44m) below TOC  
 Water elevation: 226.6 ft (69.07m) msl

Time: 5:42

**WELL HSB141D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 20.69 ft (6.31m) below TOC  
 Water elevation: 234.11 ft (71.36m) msl

Time: 5:42

**WELL HSB141D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 20.69 ft (6.31m) below TOC  
 Water elevation: 234.11 ft (71.36m) msl

Time: 5:42

**WATER-LEVEL DATA**

**WELL HSB142C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 6.27 ft (1.91m) below TOC  
Water elevation: 197.73 ft (60.27m) msl

Time: 7:40

**WELL HSB142C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 6.27 ft (1.91m) below TOC  
Water elevation: 197.73 ft (60.27m) msl

Time: 7:40

**WELL HSB142D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 7.71 ft (2.35m) below TOC  
Water elevation: 196.49 ft (59.89m) msl

Time: 7:41

**WELL HSB143C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 7.71 ft (2.35m) below TOC  
Water elevation: 196.49 ft (59.89m) msl

Time: 7:41

**WELL HSB143C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 14.6 ft (4.45m) below TOC  
Water elevation: 207.6 ft (63.28m) msl

Time: 8:20

**WELL HSB143C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 14.6 ft (4.45m) below TOC  
Water elevation: 207.6 ft (63.28m) msl

Time: 8:20

**WELL HSB143D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 11.81 ft (3.60m) below TOC  
Water elevation: 211.09 ft (64.34m) msl

Time: 8:21

**WELL HSB143D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 11.81 ft (3.60m) below TOC  
Water elevation: 211.09 ft (64.34m) msl

Time: 8:21

**WELL HSB144A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 85 ft (25.91m) below TOC  
Water elevation: 150.6 ft (45.90m) msl

Time: 7:09

**WELL HSB144A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 85 ft (25.91m) below TOC  
Water elevation: 150.6 ft (45.90m) msl

Time: 7:09

**WELL HSB145C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 23.85 ft (7.27m) below TOC  
Water elevation: 211.85 ft (64.57m) msl

Time: 4:27

**WELL HSB145C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 23.85 ft (7.27m) below TOC  
Water elevation: 211.85 ft (64.57m) msl

Time: 4:27

**WELL HSB145D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 20.62 ft (6.29m) below TOC  
Water elevation: 215.58 ft (65.71m) msl

Time: 4:27

**WELL HSB145D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 20.62 ft (6.29m) below TOC  
Water elevation: 215.58 ft (65.71m) msl

Time: 4:27

**WELL HSB146A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 75.72 ft (23.08m) below TOC  
 Water elevation: 175.88 ft (53.61m) msl

Time: 5:36

**WELL HSB146A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 75.72 ft (23.08m) below TOC  
 Water elevation: 175.88 ft (53.61m) msl

Time: 5:36

**WELL HSB146C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 43.49 ft (13.26m) below TOC  
 Water elevation: 208.81 ft (63.65m) msl

Time: 5:36

**WELL HSB146C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 43.49 ft (13.26m) below TOC  
 Water elevation: 208.81 ft (63.65m) msl

Time: 5:36

**WELL HSB146D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 33.18 ft (10.11m) below TOC  
 Water elevation: 219.92 ft (67.03m) msl

Time: 5:37

**WELL HSB146D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 33.18 ft (10.11m) below TOC  
 Water elevation: 219.92 ft (67.03m) msl

Time: 5:37

**WELL HSB147D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 40.42 ft (12.32m) below TOC  
 Water elevation: 226.88 ft (69.15m) msl

Time: 7:56

**WELL HSB147D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 40.42 ft (12.32m) below TOC  
 Water elevation: 226.88 ft (69.15m) msl

Time: 7:56

**WELL HSB148C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 49.88 ft (15.20m) below TOC  
 Water elevation: 201.02 ft (61.27m) msl

Time: 6:23

**WELL HSB148C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 49.88 ft (15.20m) below TOC  
 Water elevation: 201.02 ft (61.27m) msl

Time: 6:23

**WELL HSB148D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 39.35 ft (11.99m) below TOC  
 Water elevation: 211.75 ft (64.54m) msl

Time: 6:23

**WELL HSB148D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 39.35 ft (11.99m) below TOC  
 Water elevation: 211.75 ft (64.54m) msl

Time: 6:23

**WELL HSB149D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 21.56 ft (6.57m) below TOC  
 Water elevation: 218.44 ft (66.58m) msl

Time: 6:48

**WELL HSB149D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
 Depth to water: 21.56 ft (6.57m) below TOC  
 Water elevation: 218.44 ft (66.58m) msl

Time: 6:48

<p><b>WELL HSB150D</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 14.5 ft (4.42m) below TOC                      Water elevation: 224.5 ft (68.43m) msl</p>	<p>Time: 5:58</p>	<p><b>WELL HSB151D</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 8.52 ft (2.60m) below TOC                      Water elevation: 205.08 ft (62.51m) msl</p>	<p>Time: 7:43</p>
<p><b>WELL HSB150D</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 14.5 ft (4.42m) below TOC                      Water elevation: 224.5 ft (68.43m) msl</p>	<p>Time: 5:58</p>	<p><b>WELL HSB152C</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 15.98 ft (4.87m) below TOC                      Water elevation: 198.12 ft (60.39m) msl</p>	<p>Time: 7:47</p>
<p><b>WELL HSB150PC</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 20.4 ft (6.22m) below TOC                      Water elevation: 211.3 ft (64.41m) msl</p>	<p>Time: 7:29</p>	<p><b>WELL HSB152C</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 15.98 ft (4.87m) below TOC                      Water elevation: 198.12 ft (60.39m) msl</p>	<p>Time: 7:47</p>
<p><b>WELL HSB150PC</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 20.4 ft (6.22m) below TOC                      Water elevation: 211.3 ft (64.41m) msl</p>	<p>Time: 7:29</p>	<p><b>WELL HSB152D</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: Not available                      Water elevation: Not available</p>	<p>Time: 7:47</p>
<p><b>WELL HSB151C</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 7.66 ft (2.33m) below TOC                      Water elevation: 205.94 ft (62.77m) msl</p>	<p>Time: 7:43</p>	<p><b>WELL HSL 1D</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 28.85 ft (8.79m) below TOC                      Water elevation: 235.15 ft (71.67m) msl</p>	<p>Time: 4:42</p>
<p><b>WELL HSB151C</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 7.66 ft (2.33m) below TOC                      Water elevation: 205.94 ft (62.77m) msl</p>	<p>Time: 7:43</p>	<p><b>WELL HSL 1D</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 28.85 ft (8.79m) below TOC                      Water elevation: 235.15 ft (71.67m) msl</p>	<p>Time: 4:42</p>
<p><b>WELL HSB151D</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 8.52 ft (2.60m) below TOC                      Water elevation: 205.08 ft (62.51m) msl</p>	<p>Time: 7:43</p>	<p><b>WELL HSL 2D</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/19/99                      Depth to water: 25.14 ft (7.66m) below TOC                      Water elevation: 240.36 ft (73.26m) msl</p>	<p>Time: 5:30</p>

**WELL HSL 2D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 25.14 ft (7.66m) below TOC  
Water elevation: 240.36 ft (73.26m) msl

Time: 5:30

**WELL HSL 6D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 20.98 ft (6.39m) below TOC  
Water elevation: 259.02 ft (78.95m) msl

Time: 5:19

**WELL HSL 3D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 19.79 ft (6.03m) below TOC  
Water elevation: 247.81 ft (75.53m) msl

Time: 5:28

**WELL HSL 6D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 20.98 ft (6.39m) below TOC  
Water elevation: 259.02 ft (78.95m) msl

Time: 5:19

**WELL HSL 3D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 19.79 ft (6.03m) below TOC  
Water elevation: 247.81 ft (75.53m) msl

Time: 5:28

**WELL HSL 7D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 26.74 ft (8.15m) below TOC  
Water elevation: 257.06 ft (78.35m) msl

Time: 5:20

**WELL HSL 4D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 13.95 ft (4.25m) below TOC  
Water elevation: 259.25 ft (79.02m) msl

Time: 5:25

**WELL HSL 7D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 26.74 ft (8.15m) below TOC  
Water elevation: 257.06 ft (78.35m) msl

Time: 5:20

**WELL HSL 4D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 13.95 ft (4.25m) below TOC  
Water elevation: 259.25 ft (79.02m) msl

Time: 5:25

**WELL HSL 8D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 30.87 ft (9.41m) below TOC  
Water elevation: 257.83 ft (78.59m) msl

Time: 5:16

**WELL HSL 5D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 8.1 ft (2.47m) below TOC  
Water elevation: 268.5 ft (81.84m) msl

Time: 5:24

**WELL HSL 8D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 30.87 ft (9.41m) below TOC  
Water elevation: 257.83 ft (78.59m) msl

Time: 5:16

**WELL HSL 5D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/19/99  
Depth to water: 8.1 ft (2.47m) below TOC  
Water elevation: 268.5 ft (81.84m) msl

Time: 5:24

**WELL MCB 2**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
Depth to water: 102.99 ft (31.39m) below TOC  
Water elevation: 225.41 ft (68.71m) msl

Time: 21:12

**WATER-LEVEL DATA**

**WELL MCB 4**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99

Depth to water: 124.98 ft (38.09m) below TOC

Water elevation: 225.42 ft (68.71m) msl

Time: 20:41

Time: 21:00

**WELL MCB 5**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99

Depth to water: 113.81 ft (34.69m) below TOC

Water elevation: 225.79 ft (68.82m) msl

Time: 20:58

Time: 17:07

**WELL MCB 5C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99

Depth to water: 143.76 ft (43.82m) below TOC

Water elevation: 195.34 ft (59.54m) msl

Time: 20:56

Time: 17:12

**WELL MCB 6**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99

Depth to water: 111.03 ft (33.84m) below TOC

Water elevation: 221.07 ft (67.36m) msl

Time: 21:09

Time: 17:10

**WELL MCB 6C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99

Depth to water: 156.11 ft (47.56m) below TOC

Water elevation: 195.99 ft (59.74m) msl

Time: 21:08

Time: 17:06

**WELL MCB 7C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99

Depth to water: 143.3 ft (43.68m) below TOC

Water elevation: 194.4 ft (59.25m) msl

Time: 20:51

Time: 17:22

**WELL MCB 8D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99

Depth to water: 114.57 ft (34.92m) below TOC

Water elevation: 226.13 ft (68.93m) msl

Time: 20:49

Time: 17:23

**WELL MCB 9D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99

Depth to water: 116.78 ft (35.20m) below TOC

Water elevation: 224.12 ft (68.31m) msl

**WELL MSB 1B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99

Depth to water: 146.15 ft (44.55m) below TOC

Water elevation: 208.65 ft (63.60m) msl

**WELL MSB 1C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99

Depth to water: 139.94 ft (42.65m) below TOC

Water elevation: 215.16 ft (65.58m) msl

**WELL MSB 1CC**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99

Depth to water: 137.8 ft (42.00m) below TOC

Water elevation: 217.1 ft (66.17m) msl

**WELL MSB 1D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99

Depth to water: 125.1 ft (38.13m) below TOC

Water elevation: 229.7 ft (70.01m) msl

**WELL MSB 2B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99

Depth to water: 144.5 ft (44.04m) below TOC

Water elevation: 210.1 ft (64.04m) msl

**WELL MSB 2C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99

Depth to water: 158.27 ft (48.15m) below TOC

Water elevation: 216.43 ft (65.97m) msl

<b>WELL MSB 2D</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 123.51 ft (37.65m) below TOC Water elevation: 230.29 ft (70.19m) msl	Time: 17:25	<b>WELL MSB 5B</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 137.86 ft (42.02m) below TOC Water elevation: 207.14 ft (63.14m) msl	Time: 22:37
<b>WELL MSB 3B</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: Not available Water elevation: Not available	Time: 17:31	<b>WELL MSB 5C</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 122.65 ft (37.38m) below TOC Water elevation: 222.55 ft (67.83m) msl	Time: 22:38
<b>WELL MSB 3C</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 142.87 ft (43.55m) below TOC Water elevation: 217.93 ft (66.43m) msl	Time: 17:32	<b>WELL MSB 6A</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 116.61 ft (35.54m) below TOC Water elevation: 227.49 ft (69.25m) msl	Time: 22:10
<b>WELL MSB 4B</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 148.15 ft (45.16m) below TOC Water elevation: 207.15 ft (63.14m) msl	Time: 17:54	<b>WELL MSB 6B</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 141.85 ft (43.24m) below TOC Water elevation: 202.05 ft (61.59m) msl	Time: 22:12
<b>WELL MSB 4C</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 141.6 ft (43.16m) below TOC Water elevation: 213.6 ft (65.11m) msl	Time: 17:54	<b>WELL MSB 6C</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 120.64 ft (36.77m) below TOC Water elevation: 223.16 ft (68.02m) msl	Time: 22:12
<b>WELL MSB 4D</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 126.81 ft (38.65m) below TOC Water elevation: 228.69 ft (69.71m) msl	Time: 17:53	<b>WELL MSB 7A</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 116.28 ft (35.44m) below TOC Water elevation: 228.02 ft (69.50m) msl	Time: 21:58
<b>WELL MSB 5A</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: Not available Water elevation: Not available	Time: 22:35	<b>WELL MSB 7B</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 137.34 ft (41.86m) below TOC Water elevation: 206.76 ft (63.02m) msl	Time: 21:59

**WATER-LEVEL DATA**

<b>WELL MSB 7C</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 122.08 ft (37.21m) below TOC Water elevation: 222.42 ft (67.79m) msl	Time: 22:02	<b>WELL MSB 10A</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 147.49 ft (44.96m) below TOC Water elevation: 209.71 ft (63.92m) msl	Time: 23:37
<b>WELL MSB 8A</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 115.13 ft (35.09m) below TOC Water elevation: 229.07 ft (69.82m) msl	Time: 18:23	<b>WELL MSB 10B</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 145.35 ft (44.30m) below TOC Water elevation: 212.25 ft (64.69m) msl	Time: 23:42
<b>WELL MSB 8B</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 135.9 ft (41.42m) below TOC Water elevation: 208 ft (63.40m) msl	Time: 18:24	<b>WELL MSB 10C</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 126.5 ft (39.17m) below TOC Water elevation: 228.6 ft (69.66m) msl	Time: 23:39
<b>WELL MSB 8C</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 124.28 ft (37.86m) below TOC Water elevation: 219.72 ft (66.97m) msl	Time: 18:27	<b>WELL MSB 10D</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: Not available Water elevation: Not available	Time: 23:41
<b>WELL MSB 9A</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 146.99 ft (45.72m) below TOC Water elevation: 209.11 ft (63.74m) msl	Time: 17:42	<b>WELL MSB 11A</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 154.41 ft (47.06m) below TOC Water elevation: 210.99 ft (64.31m) msl	Time: 23:19
<b>WELL MSB 9B</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 130.28 ft (39.71m) below TOC Water elevation: 229.02 ft (69.81m) msl	Time: 17:43	<b>WELL MSB 11B</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 150.74 ft (45.95m) below TOC Water elevation: 214.66 ft (65.43m) msl	Time: 23:21
<b>WELL MSB 9C</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: Not available Water elevation: Not available	Time: 8:53	<b>WELL MSB 11C</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 146.83 ft (44.75m) below TOC Water elevation: 218.67 ft (66.65m) msl	Time: 23:23

**WELL MSB 11D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 136.67 ft (41.66m) below TOC  
 Water elevation: 229.13 ft (69.84m) msl

Time: 23:25

**WELL MSB 11E**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 125.69 ft (38.31m) below TOC  
 Water elevation: 239.51 ft (73.00m) msl

Time: 23:27

**WELL MSB 11F**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: Not available  
 Water elevation: Not available

Time: 23:16

**WELL MSB 12A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 141.29 ft (43.07m) below TOC  
 Water elevation: 208.41 ft (63.52m) msl

Time: 23:53

**WELL MSB 12B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 132.1 ft (40.26m) below TOC  
 Water elevation: 218.2 ft (66.51m) msl

Time: 23:50

**WELL MSB 12C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 126.55 ft (38.57m) below TOC  
 Water elevation: 223.25 ft (68.05m) msl

Time: 23:52

**WELL MSB 12D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: Not available  
 Water elevation: Not available

Time: 23:51

**WELL MSB 12TA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 156.7 ft (47.76m) below TOC  
 Water elevation: 193.3 ft (58.92m) msl

Time: 23:56

**WELL MSB 12TB**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 156.99 ft (47.85m) below TOC  
 Water elevation: 193.31 ft (58.92m) msl

Time: 23:56

**WELL MSB 13A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 140.03 ft (42.68m) below TOC  
 Water elevation: 206.67 ft (62.99m) msl

Time: 22:49

**WELL MSB 13B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 119.58 ft (36.45m) below TOC  
 Water elevation: 227.52 ft (69.35m) msl

Time: 22:50

**WELL MSB 13C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 118.43 ft (36.10m) below TOC  
 Water elevation: 228.87 ft (69.76m) msl

Time: 22:52

**WELL MSB 13CC**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 123 ft (37.49m) below TOC  
 Water elevation: 223.9 ft (68.25m) msl

Time: 22:45

**WELL MSB 13D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 119.9 ft (36.55m) below TOC  
 Water elevation: 227.7 ft (69.40m) msl

Time: 22:55

**WATER-LEVEL DATA**

<b>WELL MSB 14A</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 134.01 ft (40.85m) below TOC Water elevation: 214.69 ft (65.44m) msl	Time: 17:14	<b>WELL MSB 16A</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 149.95 ft (45.71m) below TOC Water elevation: 217.55 ft (66.31m) msl	Time: 17:54
<b>WELL MSB 14B</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 132.41 ft (40.36m) below TOC Water elevation: 216.49 ft (65.99m) msl	Time: 17:15	<b>WELL MSB 16C</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 137.85 ft (42.02m) below TOC Water elevation: 229.75 ft (70.03m) msl	Time: 17:55
<b>WELL MSB 14C</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 116.98 ft (35.66m) below TOC Water elevation: 232.22 ft (70.78m) msl	Time: 17:16	<b>WELL MSB 17A</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 143.01 ft (43.59m) below TOC Water elevation: 216.29 ft (65.93m) msl	Time: 18:48
<b>WELL MSB 15A</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 149.13 ft (45.46m) below TOC Water elevation: 218.57 ft (66.62m) msl	Time: 23:08	<b>WELL MSB 17B</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 133.87 ft (40.80m) below TOC Water elevation: 225.33 ft (68.68m) msl	Time: 18:51
<b>WELL MSB 15AA</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 157 ft (47.85m) below TOC Water elevation: 212.2 ft (64.66m) msl	Time: 23:02	<b>WELL MSB 17BB</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 146.97 ft (44.80m) below TOC Water elevation: 212.03 ft (64.63m) msl	Time: 18:53
<b>WELL MSB 15C</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 123.09 ft (37.52m) below TOC Water elevation: 243.61 ft (74.25m) msl	Time: 23:09	<b>WELL MSB 17C</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: Not available Water elevation: Not available	Time: 18:48
<b>WELL MSB 15D</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 131.32 ft (40.03m) below TOC Water elevation: 237.18 ft (72.29m) msl	Time: 23:04	<b>WELL MSB 17D</b> MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/24/99 Depth to water: 133.57 ft (40.71m) below TOC Water elevation: 226.33 ft (68.99m) msl	Time: 18:55

<p><b>WELL MSB 18A</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/24/99                      Depth to water: 129.42 ft (39.45m) below TOC                      Water elevation: 212.48 ft (64.76m) msl</p>	<p>Time: 18:35</p>	<p><b>WELL MSB 21C</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/23/99                      Depth to water: 126.07 ft (38.43m) below TOC                      Water elevation: 228.73 ft (69.72m) msl</p>	<p>Time: 18:42</p>
<p><b>WELL MSB 18B</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/24/99                      Depth to water: 120.27 ft (36.66m) below TOC                      Water elevation: 221.63 ft (67.61m) msl</p>	<p>Time: 18:36</p>	<p><b>WELL MSB 21TA</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/23/99                      Depth to water: 160.97 ft (49.06m) below TOC                      Water elevation: 193.63 ft (59.02m) msl</p>	<p>Time: 18:47</p>
<p><b>WELL MSB 18C</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/24/99                      Depth to water: 114.61 ft (34.93m) below TOC                      Water elevation: 227.89 ft (69.46m) msl</p>	<p>Time: 18:40</p>	<p><b>WELL MSB 23</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/23/99                      Depth to water: Not available                      Water elevation: Not available</p>	<p>Time: 17:33</p>
<p><b>WELL MSB 20A</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/23/99                      Depth to water: 137.15 ft (41.80m) below TOC                      Water elevation: 218.15 ft (66.49m) msl</p>	<p>Time: 18:50</p>	<p><b>WELL MSB 23B</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/23/99                      Depth to water: 150.26 ft (45.83m) below TOC                      Water elevation: 221.24 ft (67.43m) msl</p>	<p>Time: 17:33</p>
<p><b>WELL MSB 20C</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/23/99                      Depth to water: 128.14 ft (39.06m) below TOC                      Water elevation: 226.56 ft (69.06m) msl</p>	<p>Time: 18:51</p>	<p><b>WELL MSB 23TA</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/23/99                      Depth to water: 172.5 ft (52.58m) below TOC                      Water elevation: 200.4 ft (61.08m) msl</p>	<p>Time: 17:55</p>
<p><b>WELL MSB 21A</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/23/99                      Depth to water: 134.75 ft (41.07m) below TOC                      Water elevation: 220.05 ft (67.07m) msl</p>	<p>Time: 18:43</p>	<p><b>WELL MSB 23TR</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/23/99                      Depth to water: 174.45 ft (53.17m) below TOC                      Water elevation: 198.25 ft (60.43m) msl</p>	<p>Time: 17:59</p>
<p><b>WELL MSB 21B</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/23/99                      Depth to water: 135.67 ft (41.35m) below TOC                      Water elevation: 219.33 ft (66.85m) msl</p>	<p>Time: 18:41</p>	<p><b>WELL MSB 24</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/23/99                      Depth to water: 145.58 ft (44.37m) below TOC                      Water elevation: 234.62 ft (71.51m) msl</p>	<p>Time: 17:40</p>

**WELL MSB 24A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 157.96 ft (48.15m) below TOC  
 Water elevation: 223.64 ft (68.17m) msl

Time: 17:39

**WELL MSB 25**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: Not available  
 Water elevation: Not available

Time: 17:31

**WELL MSB 25A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 152 ft (46.33m) below TOC  
 Water elevation: 214.4 ft (65.35m) msl

Time: 17:31

**WELL MSB 26**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: Not available  
 Water elevation: Not available

Time: 18:01

**WELL MSB 26A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 139.02 ft (42.37m) below TOC  
 Water elevation: 222.78 ft (67.90m) msl

Time: 18:03

**WELL MSB 26B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 145.72 ft (44.42m) below TOC  
 Water elevation: 217.08 ft (66.17m) msl

Time: 18:05

**WELL MSB 27**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 139.28 ft (42.45m) below TOC  
 Water elevation: 236.22 ft (72.00m) msl

Time: 17:46

**WELL MSB 27A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 147.2 ft (44.87m) below TOC  
 Water elevation: 228 ft (69.50m) msl

Time: 17:47

**WELL MSB 27B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 152.94 ft (46.62m) below TOC  
 Water elevation: 223.86 ft (68.23m) msl

Time: 17:49

**WELL MSB 27TA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 176.32 ft (53.74m) below TOC  
 Water elevation: 200.28 ft (61.05m) msl

Time: 17:48

**WELL MSB 28**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 125.16 ft (38.15m) below TOC  
 Water elevation: 229.64 ft (70.00m) msl

Time: 18:11

**WELL MSB 28A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 132.35 ft (40.34m) below TOC  
 Water elevation: 222.65 ft (67.86m) msl

Time: 18:10

**WELL MSB 29A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 146.21 ft (44.57m) below TOC  
 Water elevation: 218.99 ft (66.75m) msl

Time: 8:52

**WELL MSB 29B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 141.38 ft (43.09m) below TOC  
 Water elevation: 223.62 ft (68.16m) msl

Time: 8:49

**WELL MSB 29C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 135.02 ft (41.15m) below TOC  
 Water elevation: 229.98 ft (70.10m) msl

Time: 8:47

**WELL MSB 29D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 133.07 ft (40.56m) below TOC  
 Water elevation: 231.83 ft (70.66m) msl

Time: 8:50

**WELL MSB 29DD**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 132.32 ft (40.33m) below TOC  
 Water elevation: 232.08 ft (70.74m) msl

Time: 8:47

**WELL MSB 29TA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 153.18 ft (46.69m) below TOC  
 Water elevation: 211.82 ft (64.56m) msl

Time: 8:54

**WELL MSB 30A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 157 ft (47.85m) below TOC  
 Water elevation: 198 ft (60.35m) msl

Time: 18:22

**WELL MSB 30AA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 129.78 ft (39.56m) below TOC  
 Water elevation: 223.22 ft (68.04m) msl

Time: 18:17

**WELL MSB 30B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 128.91 ft (39.29m) below TOC  
 Water elevation: 224.59 ft (68.46m) msl

Time: 18:18

**WELL MSB 30C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 124.47 ft (37.94m) below TOC  
 Water elevation: 230.13 ft (70.14m) msl

Time: 18:22

**WELL MSB 30CC**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 129.65 ft (39.52m) below TOC  
 Water elevation: 224.35 ft (68.38m) msl

Time: 18:19

**WELL MSB 31A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 150.55 ft (45.89m) below TOC  
 Water elevation: 197.55 ft (60.21m) msl

Time: 14:47

**WELL MSB 31B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 136.68 ft (41.66m) below TOC  
 Water elevation: 211.62 ft (64.50m) msl

Time: 14:48

**WELL MSB 31C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 115.45 ft (35.19m) below TOC  
 Water elevation: 232.65 ft (70.91m) msl

Time: 14:47

**WELL MSB 31CC**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 136.88 ft (41.72m) below TOC  
 Water elevation: 211.72 ft (64.53m) msl

Time: 14:48

**WELL MSB 32**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 32.2 ft (9.81m) below TOC  
 Water elevation: 222.9 ft (67.94m) msl

Time: 14:57

**WELL MSB 32B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 44.38 ft (13.53m) below TOC  
 Water elevation: 211.02 ft (64.32m) msl

Time: 14:57

**WELL MSB 32C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 39.9 ft (12.16m) below TOC  
 Water elevation: 215.8 ft (65.78m) msl

Time: 14:57

**WELL MSB 33**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 39.2 ft (11.95m) below TOC  
 Water elevation: 216.7 ft (66.05m) msl

Time: 14:34

**WELL MSB 33A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 50.51 ft (15.40m) below TOC  
 Water elevation: 204.89 ft (62.45m) msl

Time: 14:35

**WELL MSB 33B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 47.6 ft (14.51m) below TOC  
 Water elevation: 207.4 ft (63.22m) msl

Time: 14:35

**WELL MSB 33C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 44.9 ft (13.69m) below TOC  
 Water elevation: 210.4 ft (64.13m) msl

Time: 14:36

**WELL MSB 33TA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 59.95 ft (18.27m) below TOC  
 Water elevation: 195.55 ft (59.60m) msl

Time: 14:35

**WELL MSB 34A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 166.6 ft (50.78m) below TOC  
 Water elevation: 217.4 ft (66.26m) msl

Time: 14:11

**WELL MSB 34B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 158.33 ft (48.26m) below TOC  
 Water elevation: 225.67 ft (68.79m) msl

Time: 14:11

**WELL MSB 34C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 155.11 ft (47.28m) below TOC  
 Water elevation: 228.79 ft (69.74m) msl

Time: 14:11

**WELL MSB 34TA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 181.9 ft (55.44m) below TOC  
 Water elevation: 201.5 ft (61.42m) msl

Time: 14:10

**WELL MSB 34TB**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 181.7 ft (55.38m) below TOC  
 Water elevation: 201.9 ft (61.54m) msl

Time: 14:09

**WELL MSB 35A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 135.05 ft (41.16m) below TOC  
 Water elevation: 215.85 ft (65.79m) msl

Time: 10:12

**WELL MSB 35B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 133.15 ft (40.58m) below TOC  
 Water elevation: 218.45 ft (66.58m) msl

Time: 10:13

<b>WELL MSB 35D</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: Not available Water elevation: Not available	Time: 10:14	<b>WELL MSB 37A</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/22/99 Depth to water: 176.45 ft (53.78m) below TOC Water elevation: 206.55 ft (62.96m) msl	Time: 14:00
<b>WELL MSB 35TA</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 150.86 ft (45.98m) below TOC Water elevation: 199.44 ft (60.79m) msl	Time: 10:10	<b>WELL MSB 37B</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/22/99 Depth to water: 164.51 ft (50.14m) below TOC Water elevation: 216.2 ft (66.51m) msl	Time: 14:01
<b>WELL MSB 36A</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/22/99 Depth to water: 131.05 ft (39.94m) below TOC Water elevation: 209.55 ft (63.87m) msl	Time: 12:19	<b>WELL MSB 37C</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/22/99 Depth to water: 155.85 ft (47.50m) below TOC Water elevation: 227.15 ft (69.24m) msl	Time: 14:00
<b>WELL MSB 36B</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/22/99 Depth to water: 127.2 ft (38.77m) below TOC Water elevation: 213.6 ft (65.11m) msl	Time: 12:20	<b>WELL MSB 37D</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/22/99 Depth to water: 152.08 ft (46.35m) below TOC Water elevation: 230.62 ft (70.29m) msl	Time: 13:59
<b>WELL MSB 36C</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/22/99 Depth to water: 127.23 ft (38.78m) below TOC Water elevation: 213.67 ft (65.13m) msl	Time: 12:20	<b>WELL MSB 37TA</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/22/99 Depth to water: 175.97 ft (53.64m) below TOC Water elevation: 206.33 ft (62.89m) msl	Time: 14:00
<b>WELL MSB 36D</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/22/99 Depth to water: 106.94 ft (32.60m) below TOC Water elevation: 234.66 ft (71.53m) msl	Time: 12:20	<b>WELL MSB 38B</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 145.42 ft (44.32m) below TOC Water elevation: 213.58 ft (65.10m) msl	Time: 17:29
<b>WELL MSB 36TA</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/22/99 Depth to water: 145.76 ft (44.43m) below TOC Water elevation: 194.64 ft (59.33m) msl	Time: 12:18	<b>WELL MSB 38C</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 142.14 ft (43.32m) below TOC Water elevation: 216.66 ft (66.04m) msl	Time: 17:30

**WATER-LEVEL DATA**

**WELL MSB 38D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 126.54 ft (38.57m) below TOC  
Water elevation: 231.96 ft (70.70m) msl

Time: 17:30

**WELL MSB 38TA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 161.8 ft (49.32m) below TOC  
Water elevation: 197.3 ft (60.14m) msl

Time: 17:30

**WELL MSB 39A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 133.03 ft (40.58m) below TOC  
Water elevation: 208.57 ft (63.57m) msl

Time: 9:51

**WELL MSB 39B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 130.6 ft (39.81m) below TOC  
Water elevation: 211.2 ft (64.37m) msl

Time: 9:51

**WELL MSB 39C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 126.76 ft (38.64m) below TOC  
Water elevation: 214.74 ft (65.45m) msl

Time: 9:53

**WELL MSB 39D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 110.16 ft (33.58m) below TOC  
Water elevation: 231.64 ft (70.60m) msl

Time: 9:54

**WELL MSB 39TA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 149.21 ft (45.48m) below TOC  
Water elevation: 192.59 ft (58.70m) msl

Time: 9:50

**WELL MSB 40A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 116.25 ft (35.04m) below TOC  
Water elevation: 202.95 ft (61.86m) msl

Time: 9:36

**WELL MSB 40B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 117.05 ft (35.68m) below TOC  
Water elevation: 204.65 ft (62.38m) msl

Time: 9:34

**WELL MSB 40C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 117.35 ft (35.77m) below TOC  
Water elevation: 204.65 ft (62.38m) msl

Time: 9:34

**WELL MSB 40D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 95.41 ft (29.08m) below TOC  
Water elevation: 227.49 ft (69.34m) msl

Time: 9:33

**WELL MSB 40TA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 131.07 ft (39.95m) below TOC  
Water elevation: 189.83 ft (57.86m) msl

Time: 9:38

**WELL MSB 41A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 106.8 ft (32.55m) below TOC  
Water elevation: 217 ft (66.14m) msl

Time: 11:00

**WELL MSB 41B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
Depth to water: 106.95 ft (32.60m) below TOC  
Water elevation: 217.05 ft (66.16m) msl

Time: 10:58

**WELL MSB 41C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 107.06 ft (32.63m) below TOC  
 Water elevation: 217.54 ft (66.31m) msl

Time: 10:58

**WELL MSB 41D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 84 ft (25.60m) below TOC  
 Water elevation: 241 ft (73.46m) msl

Time: 10:57

**WELL MSB 41TA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 117.22 ft (35.73m) below TOC  
 Water elevation: 206.48 ft (62.94m) msl

Time: 11:02

**WELL MSB 42A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 158.13 ft (48.20m) below TOC  
 Water elevation: 218.37 ft (66.56m) msl

Time: 13:48

**WELL MSB 42B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 151.8 ft (46.27m) below TOC  
 Water elevation: 224.6 ft (68.46m) msl

Time: 13:47

**WELL MSB 42C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 146.44 ft (44.64m) below TOC  
 Water elevation: 229.96 ft (70.09m) msl

Time: 13:46

**WELL MSB 42TA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 171.82 ft (52.37m) below TOC  
 Water elevation: 204.78 ft (62.42m) msl

Time: 13:49

**WELL MSB 43A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 129.05 ft (39.33m) below TOC  
 Water elevation: 228.65 ft (69.69m) msl

Time: 8:36

**WELL MSB 43B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 129 ft (39.32m) below TOC  
 Water elevation: 228.8 ft (69.74m) msl

Time: 8:37

**WELL MSB 43D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 127.07 ft (38.73m) below TOC  
 Water elevation: 230.93 ft (70.39m) msl

Time: 8:38

**WELL MSB 43DD**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 126.9 ft (38.68m) below TOC  
 Water elevation: 231 ft (70.41m) msl

Time: 8:40

**WELL MSB 43TA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 154.66 ft (47.14m) below TOC  
 Water elevation: 202.84 ft (61.83m) msl

Time: 8:35

**WELL MSB 44A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 159.93 ft (48.75m) below TOC  
 Water elevation: 216.97 ft (66.13m) msl

Time: 13:26

**WELL MSB 44B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 153.75 ft (46.86m) below TOC  
 Water elevation: 223.25 ft (68.05m) msl

Time: 13:25

**WATER-LEVEL DATA**

**WELL MSB 44C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
Depth to water: 144.98 ft (44.19m) below TOC  
Water elevation: 231.82 ft (70.66m) msl

Time: 13:27

**WELL MSB 45A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
Depth to water: 166.1 ft (50.63m) below TOC  
Water elevation: 214.7 ft (65.44m) msl

Time: 14:16

**WELL MSB 45B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
Depth to water: 156.22 ft (47.62m) below TOC  
Water elevation: 224.68 ft (68.48m) msl

Time: 14:17

**WELL MSB 45C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
Depth to water: Not available  
Water elevation: Not available

Time: 14:16

**WELL MSB 46A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
Depth to water: 158.09 ft (48.18m) below TOC  
Water elevation: 214.52 ft (65.59m) msl

Time: 11:26

**WELL MSB 46B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
Depth to water: 147.71 ft (45.02m) below TOC  
Water elevation: 225.69 ft (68.85m) msl

Time: 11:28

**WELL MSB 46C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
Depth to water: 133.6 ft (40.72m) below TOC  
Water elevation: 239 ft (72.85m) msl

Time: 11:27

**WELL MSB 47B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
Depth to water: 142.25 ft (43.42m) below TOC  
Water elevation: 226.25 ft (68.96m) msl

Time: 10:58

**WELL MSB 47BB**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
Depth to water: 150.19 ft (45.78m) below TOC  
Water elevation: 218.61 ft (66.63m) msl

Time: 10:55

**WELL MSB 47C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
Depth to water: 136.96 ft (41.75m) below TOC  
Water elevation: 232.04 ft (70.73m) msl

Time: 10:59

**WELL MSB 47D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
Depth to water: 136.7 ft (41.67m) below TOC  
Water elevation: 232.1 ft (70.74m) msl

Time: 11:01

**WELL MSB 47TA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
Depth to water: 152.77 ft (46.56m) below TOC  
Water elevation: 215.93 ft (65.82m) msl

Time: 10:55

**WELL MSB 48A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
Depth to water: 139.5 ft (42.52m) below TOC  
Water elevation: 222.1 ft (67.70m) msl

Time: 10:26

**WELL MSB 48B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
Depth to water: 137.8 ft (42.00m) below TOC  
Water elevation: 223.6 ft (68.15m) msl

Time: 10:24

**WELL MSB 48C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99 Time: 10:28  
 Depth to water: 138.15 ft (42.11m) below TOC  
 Water elevation: 224.15 ft (68.32m) msl

**WELL MSB 48D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99 Time: 10:29  
 Depth to water: 130.04 ft (39.64m) below TOC  
 Water elevation: 232.56 ft (70.89m) msl

**WELL MSB 48TA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99 Time: 10:26  
 Depth to water: 139.9 ft (42.64m) below TOC  
 Water elevation: 222 ft (67.67m) msl

**WELL MSB 49A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99 Time: 19:23  
 Depth to water: 137.42 ft (41.89m) below TOC  
 Water elevation: 197.28 ft (60.13m) msl

**WELL MSB 49B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99 Time: 19:24  
 Depth to water: 131.2 ft (39.99m) below TOC  
 Water elevation: 202.9 ft (61.84m) msl

**WELL MSB 49D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99 Time: 19:28  
 Depth to water: 104.67 ft (31.90m) below TOC  
 Water elevation: 229.63 ft (69.99m) msl

**WELL MSB 50B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99 Time: 14:24  
 Depth to water: 21.48 ft (6.55m) below TOC  
 Water elevation: 202.22 ft (61.64m) msl

**WELL MSB 50D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99 Time: 14:25  
 Depth to water: 20.85 ft (6.36m) below TOC  
 Water elevation: 202.35 ft (61.68m) msl

**WELL MSB 51B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99 Time: 14:43  
 Depth to water: 58.28 ft (17.76m) below TOC  
 Water elevation: 204.92 ft (62.46m) msl

**WELL MSB 51D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99 Time: 14:40  
 Depth to water: 51.63 ft (15.74m) below TOC  
 Water elevation: 210.57 ft (64.18m) msl

**WELL MSB 51DD**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99 Time: 14:41  
 Depth to water: Not available  
 Water elevation: Not available

**WELL MSB 52B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99 Time: 10:45  
 Depth to water: 102.83 ft (31.34m) below TOC  
 Water elevation: 218.87 ft (66.71m) msl

**WELL MSB 52D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99 Time: 10:47  
 Depth to water: 84.62 ft (25.79m) below TOC  
 Water elevation: 236.98 ft (72.23m) msl

**WELL MSB 53B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99 Time: 11:44  
 Depth to water: 122.66 ft (37.39m) below TOC  
 Water elevation: 221.64 ft (67.56m) msl

**WATER-LEVEL DATA**

<p><b>WELL MSB 53C</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/23/99                      Depth to water: 122.61 ft (37.37m) below TOC                      Water elevation: 222.59 ft (67.85m) msl</p>	<p>Time: 11:41</p>	<p><b>WELL MSB 55C</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/22/99                      Depth to water: 140.28 ft (42.76m) below TOC                      Water elevation: 229.12 ft (69.84m) msl</p>	<p>Time: 9:24</p>
<p><b>WELL MSB 53D</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/23/99                      Depth to water: 111.47 ft (33.98m) below TOC                      Water elevation: 233.33 ft (71.12m) msl</p>	<p>Time: 11:42</p>	<p><b>WELL MSB 55D</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/22/99                      Depth to water: 134.91 ft (41.12m) below TOC                      Water elevation: 232.79 ft (70.96m) msl</p>	<p>Time: 9:19</p>
<p><b>WELL MSB 54B</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/22/99                      Depth to water: 151.48 ft (46.17m) below TOC                      Water elevation: 221.32 ft (67.64m) msl</p>	<p>Time: 9:33</p>	<p><b>WELL MSB 55HC</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/22/99                      Depth to water: 136.25 ft (41.53m) below TOC                      Water elevation: 232.45 ft (70.85m) msl</p>	<p>Time: 9:20</p>
<p><b>WELL MSB 54C</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/22/99                      Depth to water: 146.91 ft (44.78m) below TOC                      Water elevation: 226.49 ft (69.03m) msl</p>	<p>Time: 9:30</p>	<p><b>WELL MSB 55TA</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/22/99                      Depth to water: 134.71 ft (41.02m) below TOC                      Water elevation: 213.99 ft (65.22m) msl</p>	<p>Time: 9:22</p>
<p><b>WELL MSB 54D</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/22/99                      Depth to water: 140.75 ft (42.90m) below TOC                      Water elevation: 232.85 ft (70.97m) msl</p>	<p>Time: 9:35</p>	<p><b>WELL MSB 56D</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/22/99                      Depth to water: 58.95 ft (17.97m) below TOC                      Water elevation: 220.55 ft (67.22m) msl</p>	<p>Time: 8:27</p>
<p><b>WELL MSB 54TA</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/22/99                      Depth to water: 154.1 ft (46.97m) below TOC                      Water elevation: 219.4 ft (66.87m) msl</p>	<p>Time: 9:35</p>	<p><b>WELL MSB 57D</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/24/99                      Depth to water: 125.8 ft (38.34m) below TOC                      Water elevation: 230.4 ft (70.23m) msl</p>	<p>Time: 17:20</p>
<p><b>WELL MSB 55B</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/22/99                      Depth to water: 147.22 ft (44.87m) below TOC                      Water elevation: 221.48 ft (67.51m) msl</p>	<p>Time: 9:21</p>	<p><b>WELL MSB 58D</b>                      MEASUREMENTS CONDUCTED IN THE FIELD                      Sample date: 06/24/99                      Depth to water: 127.8 ft (38.95m) below TOC                      Water elevation: 230.1 ft (70.14m) msl</p>	<p>Time: 17:28</p>

**WELL MSB 59D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 130.17 ft (39.68m) below TOC  
 Water elevation: 229.13 ft (69.84m) msl

Time: 8:42

**WELL MSB 60D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 125.08 ft (38.12m) below TOC  
 Water elevation: 229.42 ft (69.93m) msl

Time: 17:03

**WELL MSB 61C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 93.78 ft (28.58m) below TOC  
 Water elevation: 223.52 ft (68.13m) msl

Time: 11:48

**WELL MSB 61D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 92.27 ft (28.12m) below TOC  
 Water elevation: 225.53 ft (68.74m) msl

Time: 11:51

**WELL MSB 62B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 140.97 ft (42.97m) below TOC  
 Water elevation: 208.13 ft (63.44m) msl

Time: 18:04

**WELL MSB 62C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 126.68 ft (38.61m) below TOC  
 Water elevation: 222.42 ft (67.79m) msl

Time: 18:01

**WELL MSB 62D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 120.99 ft (36.88m) below TOC  
 Water elevation: 228.51 ft (69.65m) msl

Time: 18:00

**WELL MSB 63B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 138.61 ft (42.25m) below TOC  
 Water elevation: 208.29 ft (63.49m) msl

Time: 18:11

**WELL MSB 63C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 127.2 ft (38.77m) below TOC  
 Water elevation: 219.8 ft (67.00m) msl

Time: 18:14

**WELL MSB 63D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 117.71 ft (35.88m) below TOC  
 Water elevation: 229.09 ft (69.83m) msl

Time: 18:17

**WELL MSB 64B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 141.03 ft (42.99m) below TOC  
 Water elevation: 207.27 ft (63.18m) msl

Time: 22:24

**WELL MSB 64C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 126.1 ft (38.44m) below TOC  
 Water elevation: 222.3 ft (67.76m) msl

Time: 22:25

**WELL MSB 64D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 121.85 ft (37.14m) below TOC  
 Water elevation: 226.75 ft (69.11m) msl

Time: 22:29

**WELL MSB 65D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 117.15 ft (35.71m) below TOC  
 Water elevation: 232.05 ft (70.73m) msl

Time: 22:29

**WELL MSB 66B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 165.25 ft (50.37m) below TOC  
 Water elevation: 218.15 ft (66.49m) msl

Time: 11:17

**WELL MSB 66C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 155.81 ft (47.49m) below TOC  
 Water elevation: 227.59 ft (69.37m) msl

Time: 11:16

**WELL MSB 66D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 117.1 ft (35.69m) below TOC  
 Water elevation: 266.1 ft (81.11m) msl

Time: 11:14

**WELL MSB 66TA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 176.83 ft (53.90m) below TOC  
 Water elevation: 205.87 ft (62.75m) msl

Time: 11:19

**WELL MSB 67B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 147.27 ft (44.89m) below TOC  
 Water elevation: 217.83 ft (66.40m) msl

Time: 21:28

**WELL MSB 67C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 138 ft (42.06m) below TOC  
 Water elevation: 226.8 ft (69.13m) msl

Time: 21:30

**WELL MSB 67D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 132.21 ft (40.30m) below TOC  
 Water elevation: 232.79 ft (70.96m) msl

Time: 21:31

**WELL MSB 68B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 123.95 ft (37.78m) below TOC  
 Water elevation: 232.95 ft (71.00m) msl

Time: 21:37

**WELL MSB 68C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 130.92 ft (39.90m) below TOC  
 Water elevation: 225.78 ft (68.82m) msl

Time: 21:39

**WELL MSB 68D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 138.49 ft (42.21m) below TOC  
 Water elevation: 218.51 ft (66.60m) msl

Time: 21:39

**WELL MSB 69B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 161.36 ft (49.18m) below TOC  
 Water elevation: 220.14 ft (67.10m) msl

Time: 9:50

**WELL MSB 69C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 154.2 ft (47.00m) below TOC  
 Water elevation: 227.4 ft (69.31m) msl

Time: 9:52

**WELL MSB 69D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 149.12 ft (45.45m) below TOC  
 Water elevation: 232.88 ft (70.98m) msl

Time: 9:54

**WELL MSB 69TA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 166.65 ft (50.80m) below TOC  
 Water elevation: 214.75 ft (65.46m) msl

Time: 9:50

**WELL MSB 70C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 144.24 ft (43.96m) below TOC  
 Water elevation: 217.56 ft (66.31m) msl

Time: 19:04

**WELL MSB 70D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 141.14 ft (43.02m) below TOC  
 Water elevation: 221.06 ft (67.38m) msl

Time: 19:04

**WELL MSB 71B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 127.65 ft (38.91m) below TOC  
 Water elevation: 217.05 ft (66.16m) msl

Time: 19:05

**WELL MSB 72B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 127.98 ft (39.01m) below TOC  
 Water elevation: 200.22 ft (61.03m) msl

Time: 9:06

**WELL MSB 73B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: 137.92 ft (42.04m) below TOC  
 Water elevation: 201.68 ft (61.47m) msl

Time: 19:31

**WELL MSB 74B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 104.07 ft (31.72m) below TOC  
 Water elevation: 210.43 ft (64.14m) msl

Time: 9:11

**WELL MSB 74C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 104.6 ft (31.88m) below TOC  
 Water elevation: 210.4 ft (64.13m) msl

Time: 9:14

**WELL MSB 74D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 83.3 ft (25.39m) below TOC  
 Water elevation: 231.8 ft (70.65m) msl

Time: 9:14

**WELL MSB 75B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 117.21 ft (35.73m) below TOC  
 Water elevation: 209.49 ft (63.85m) msl

Time: 9:41

**WELL MSB 75C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 118.25 ft (36.04m) below TOC  
 Water elevation: 209.25 ft (63.78m) msl

Time: 9:43

**WELL MSB 76C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 131.82 ft (40.18m) below TOC  
 Water elevation: 220.58 ft (67.23m) msl

Time: 19:00

**WELL MSB 77B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 136.15 ft (41.50m) below TOC  
 Water elevation: 221.05 ft (67.38m) msl

Time: 11:32

**WELL MSB 77C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 133.71 ft (40.76m) below TOC  
 Water elevation: 223.49 ft (68.12m) msl

Time: 11:33

**WELL MSB 77D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 123.42 ft (37.62m) below TOC  
 Water elevation: 233.98 ft (71.32m) msl

Time: 11:35

**WATER-LEVEL DATA**

**WELL MSB 77TA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 135.96 ft (41.44m) below TOC  
 Water elevation: 220.94 ft (67.34m) msl

Time: 11:31

**WELL MSB 82C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 145.75 ft (44.43m) below TOC  
 Water elevation: 228.15 ft (69.54m) msl

Time: 8:59

**WELL MSB 78DR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 140.05 ft (42.69m) below TOC  
 Water elevation: 223.65 ft (68.17m) msl

Time: 18:55

**WELL MSB 82C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 159.61 ft (48.65m) below TOC  
 Water elevation: 214.29 ft (65.32m) msl

Time: 9:00

**WELL MSB 79B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 200.69 ft (61.18m) below TOC  
 Water elevation: 207.21 ft (63.16m) msl

Time: 8:58

**WELL MSB 82D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 140.98 ft (42.97m) below TOC  
 Water elevation: 232.62 ft (70.90m) msl

Time: 8:59

**WELL MSB 79C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 138.25 ft (42.14m) below TOC  
 Water elevation: 209.55 ft (63.87m) msl

Time: 9:00

**WELL MSB 83B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 150.3 ft (45.81m) below TOC  
 Water elevation: 221.5 ft (67.51m) msl

Time: 9:40

**WELL MSB 81B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 46.32 ft (14.30m) below TOC  
 Water elevation: 220.08 ft (67.08m) msl

Time: 12:49

**WELL MSB 83C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 143.66 ft (43.85m) below TOC  
 Water elevation: 226.14 ft (69.54m) msl

Time: 9:44

**WELL MSB 82A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 153.58 ft (46.81m) below TOC  
 Water elevation: 220.72 ft (67.28m) msl

Time: 9:02

**WELL MSB 83D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 138.63 ft (42.25m) below TOC  
 Water elevation: 232.97 ft (71.01m) msl

Time: 9:43

**WELL MSB 82B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 154.8 ft (47.18m) below TOC  
 Water elevation: 219.4 ft (66.87m) msl

Time: 9:04

**WELL MSB 83TA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 156.11 ft (47.58m) below TOC  
 Water elevation: 215.59 ft (65.71m) msl

Time: 9:41

**WELL MSB 84A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 158.3 ft (48.25m) below TOC  
 Water elevation: 203.2 ft (61.94m) msl

Time: 9:09

**WELL MSB 84C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 132.35 ft (40.35m) below TOC  
 Water elevation: 229.52 ft (69.96m) msl

Time: 9:11

**WELL MSB 85B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 159.4 ft (48.59m) below TOC  
 Water elevation: 220.9 ft (67.33m) msl

Time: 10:05

**WELL MSB 85C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 156.67 ft (47.75m) below TOC  
 Water elevation: 224.23 ft (68.35m) msl

Time: 10:07

**WELL MSB 85D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 148.2 ft (45.17m) below TOC  
 Water elevation: 232.6 ft (70.90m) msl

Time: 10:05

**WELL MSB 85TA**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 159.98 ft (48.76m) below TOC  
 Water elevation: 220.42 ft (67.18m) msl

Time: 10:06

**WELL MSB 86C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 132.05 ft (40.25m) below TOC  
 Water elevation: 224.95 ft (68.57m) msl

Time: 10:14

**WELL MSB 87B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/22/99  
 Depth to water: 118.7 ft (36.18m) below TOC  
 Water elevation: 217.3 ft (66.23m) msl

Time: 15:07

**WELL MSB 87C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 97.26 ft (29.65m) below TOC  
 Water elevation: 239.34 ft (72.95m) msl

Time: 15:07

**WELL MSB 88B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 37.02 ft (11.28m) below TOC  
 Water elevation: 201.08 ft (61.29m) msl

Time: 9:20

**WELL MSB 88C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 33.8 ft (10.30m) below TOC  
 Water elevation: 203.4 ft (62.00m) msl

Time: 9:21

**WELL MSB 88D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 32.65 ft (9.95m) below TOC  
 Water elevation: 204.25 ft (62.26m) msl

Time: 9:23

**WELL MSB 89B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 132.61 ft (40.42m) below TOC  
 Water elevation: 206.79 ft (63.03m) msl

Time: 8:51

**WELL MSB 89C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 130.62 ft (33.72m) below TOC  
 Water elevation: 229.18 ft (69.85m) msl

Time: 8:53

**WELL SRW 1**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 102.6 ft (31.27m) below TOC  
 Water elevation: 212.6 ft (64.80m) msl

Time: 19:20

**WELL SRW 1BB**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 108.9 ft (33.19m) below TOC  
 Water elevation: 207.4 ft (63.22m) msl

Time: 19:21

**WELL SRW 2**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 106.6 ft (32.49m) below TOC  
 Water elevation: 214 ft (65.23m) msl

Time: 19:15

**WELL SRW 2A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 114.16 ft (34.80m) below TOC  
 Water elevation: 206.44 ft (62.92m) msl

Time: 19:16

**WELL SRW 2B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 113.11 ft (34.48m) below TOC  
 Water elevation: 207.49 ft (63.24m) msl

Time: 19:18

**WELL SRW 3A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 160.85 ft (49.03m) below TOC  
 Water elevation: 171.25 ft (52.20m) msl

Time: 19:11

**WELL SRW 3BB**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 123.85 ft (37.75m) below TOC  
 Water elevation: 208.45 ft (63.54m) msl

Time: 19:12

**WELL SRW 4**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 106.3 ft (32.40m) below TOC  
 Water elevation: 213.8 ft (65.17m) msl

Time: 19:48

**WELL SRW 4BB**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 113.4 ft (34.56m) below TOC  
 Water elevation: 207.2 ft (63.16m) msl

Time: 19:48

**WELL SRW 5**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 98.65 ft (30.07m) below TOC  
 Water elevation: 210.75 ft (64.24m) msl

Time: 19:45

**WELL SRW 6**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 95.55 ft (29.12m) below TOC  
 Water elevation: 212.15 ft (64.66m) msl

Time: 19:24

**WELL SRW 7**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: Not available  
 Water elevation: Not available

Time: 19:32

**WELL SRW 8**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 79 ft (24.08m) below TOC  
 Water elevation: 209.1 ft (63.73m) msl

Time: 20:17

**WELL SRW 8BB**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99  
 Depth to water: 85.65 ft (26.11m) below TOC  
 Water elevation: 203.85 ft (62.13m) msl

Time: 20:17

<b>WELL SRW 9</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 54 ft (16.46m) below TOC Water elevation: 199.4 ft (60.78m) msl	Time: 20:09	<b>WELL SRW 12A</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 42.87 ft (13.07m) below TOC Water elevation: 193.43 ft (58.96m) msl	Time: 20:02
<b>WELL SRW 9A</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 54.86 ft (16.72m) below TOC Water elevation: 198.44 ft (60.49m) msl	Time: 20:11	<b>WELL SRW 12B</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 45.6 ft (14.81m) below TOC Water elevation: 187.7 ft (57.21m) msl	Time: 20:03
<b>WELL SRW 9B</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 53.85 ft (16.41m) below TOC Water elevation: 199.55 ft (60.82m) msl	Time: 20:12	<b>WELL SRW 12C</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 41.4 ft (12.62m) below TOC Water elevation: 194.9 ft (59.41m) msl	Time: 20:04
<b>WELL SRW 10</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: Not available Water elevation: Not available	Time: 19:27	<b>WELL SRW 13A</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 96.5 ft (29.41m) below TOC Water elevation: 201.2 ft (61.33m) msl	Time: 20:19
<b>WELL SRW 10BB</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 96.75 ft (30.10m) below TOC Water elevation: 204.05 ft (62.20m) msl	Time: 19:31	<b>WELL SRW 13B</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 94.34 ft (28.76m) below TOC Water elevation: 203.36 ft (61.98m) msl	Time: 20:20
<b>WELL SRW 11</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 89.1 ft (27.16m) below TOC Water elevation: 206.7 ft (63.00m) msl	Time: 19:34	<b>WELL SRW 13C</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 88 ft (26.82m) below TOC Water elevation: 209.7 ft (63.92m) msl	Time: 20:21
<b>WELL SRW 11BB</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 90.92 ft (27.71m) below TOC Water elevation: 205.58 ft (62.66m) msl	Time: 19:36	<b>WELL SRW 14A</b>	MEASUREMENTS CONDUCTED IN THE FIELD Sample date: 06/23/99 Depth to water: 123.8 ft (37.73m) below TOC Water elevation: 203.2 ft (61.94m) msl	Time: 20:25

**WELL SRW 14B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99 Time: 20:25  
 Depth to water: 121.75 ft (37.11m) below TOC  
 Water elevation: 205.15 ft (62.53m) msl

**WELL SRW 14C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99 Time: 20:26  
 Depth to water: Not available  
 Water elevation: Not available

**WELL SRW 15A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99 Time: 19:54  
 Depth to water: 110.08 ft (33.55m) below TOC  
 Water elevation: 209.02 ft (63.71m) msl

**WELL SRW 15B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99 Time: 19:55  
 Depth to water: 109.7 ft (33.44m) below TOC  
 Water elevation: 209.4 ft (63.83m) msl

**WELL SRW 15C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99 Time: 19:57  
 Depth to water: 106.32 ft (32.41m) below TOC  
 Water elevation: 212.78 ft (64.86m) msl

**WELL SRW 16A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99 Time: 20:51  
 Depth to water: 133 ft (40.54m) below TOC  
 Water elevation: 213.8 ft (65.17m) msl

**WELL SRW 16B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99 Time: 20:51  
 Depth to water: 132.28 ft (40.32m) below TOC  
 Water elevation: 214.52 ft (65.39m) msl

**WELL SRW 16C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99 Time: 20:52  
 Depth to water: 131.58 ft (40.11m) below TOC  
 Water elevation: 215.02 ft (65.54m) msl

**WELL SRW 17BB**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99 Time: 20:43  
 Depth to water: 121.31 ft (36.98m) below TOC  
 Water elevation: 212.09 ft (64.65m) msl

**WELL SRW 17C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99 Time: 20:45  
 Depth to water: 121.25 ft (36.96m) below TOC  
 Water elevation: 212.35 ft (64.73m) msl

**WELL SRW 17DR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/23/99 Time: 20:47  
 Depth to water: 119.41 ft (36.40m) below TOC  
 Water elevation: Not available

**NOTES**

# Appendix B. Analytical Results

This section presents the field and analytical results for samples collected during second quarter 1999. The results tables are presented in alphabetical order by well series and in numerical order within each series. The **Site Index** section of this report contains the area name(s) for each series.

The tabular data contain all field and analytical results for well samples collected during this quarter. Results of laboratory analyses on sampling blanks are in **Appendix C** of this report.

Due to space limitations, the following abbreviations are used in the analytical and sampling blanks results tables.

<i>Method or Analyte</i>	<i>Abbreviation</i>
EICHROMTC1M	EICHROM
MMES16009MOD	MMES16009
ASTMD888-92B	ASTMD888
EICHROMSRW01M	EICHROMS
5-day biochemical oxygen demand	5-day biochem oxygen demand
ESESOPM008	ESOPM008
ESESOPM017	ESOPM017
ESESOPM020	ESOPM020
ESESOPM022	ESOPM022
ESESOPM029	ESOPM029
ESESOPM030	ESOPM030
ESESOPM031	ESOPM031
ESESOPM032	ESOPM032

The **Field Notes** section of this report contains information about the inability to collect samples, unusual conditions during sample collection, and samplers' observations.

Properly defined and used modifiers or qualifiers can be a key component in assessing data usability. Modifiers designated by EPD/EMS and provided to the primary laboratories are defined below.

## *Key to the Tables*

E	exponential notation (e.g., $1.1E-09 = 1.1 \times 10^{-9} = 0.0000000011$ )
EMS	EMS codes
F	Flag
FG	EPA functional guideline codes
Fibers/L	fibers per liter

## Appendix B. Analytical Results

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**Key to the Tables**

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$\mu\text{Ci/mL}$	microcuries per milliliter
$\mu\text{g/L}$	micrograms per liter
$\mu\text{S/cm}$	Microsiemens per centimeter
mg/L	milligrams per liter
msl	mean sea level
NTU	Nephelometric turbidity units
S	EPA STORET codes
SQL	sample quantitation limit
TOC	top of casing

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**EPA Functional  
Guideline Codes**      **Definition**

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(Blank)	Data not remarked. The analytical result is acceptable for use as reported.
J	The analyte was positively identified; the associated numerical value is an estimated concentration of the analyte in the sample.
N	The analysis indicated the presence of an analyte for which there is presumptive evidence to make a tentative identification. Use for all TIC results.
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. Assignment of <i>R</i> requires approval by the appropriate WSRC data validation coordinator.
U	The analyte was analyzed for but was not detected above the reported sample quantitation limit.
NJ	The analysis indicates the presence of an analyte that has been tentatively identified and the associated numerical value represents its approximate concentration.
UJ	The analyte was not detected above the reported sample quantitation limit. The reported quantitation limit is approximate, and may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

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**EPA STORET Codes**      **Definition**

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(Blank)	Data not remarked.
A	The result is the mean of two or more results.
B†	The result is based on colony counts outside the acceptance range.
C	The result is calculated.

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**Appendix B. Analytical Results**

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**EPA STORET Codes**    **Definition**

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D	Field measurement.
E†	Extra samples were taken at composite stations.
F	Indicates female of the species.
G	The result reported is the maximum of two or more results.
H	The result is from a field kit determination and may not be accurate.
I	The result is less than the ssEQL, but equal to or greater than the MDL.
J◆	The result is estimated.
K	The actual concentration is known to be less than the reported result.
L	The actual concentration is known to be greater than the reported result.
M	Indicates male of the species.
N◆	There is presumptive evidence of the presence of the analyte.
O	The sample was received by the laboratory, but the analysis was lost or not found.
P†	Too numerous to count.
Q	The sample was held beyond the normal holding time prior to analysis.
R†	There was significant rain in the past 48 hours.
S	Laboratory test.
T†	The result is less than the criteria of detection.
U	Undetermined sex of the species.
V	The analyte was detected in both the method blank and the sample.
W†	The result is less than the lowest reportable under <i>T</i> STORET code.
X†	The value is from a quasi-vertically integrated sample.
Y	The result is from an unpreserved or incorrectly preserved sample; the data may not be accurate.
Z†	There were too many colonies present to count (TNTC); the numeric value represents the filtration volume.

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† The code is not currently used for EMS/EGG programs, but may be used in the future or in some other SRS programs.  
◆ Indicated STORET code or secondary code definition is redundant to a Functional Guideline code and will not be used at this time.

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**EMS Codes**    **Definition**

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(Blank)	Data not remarked. The analytical result is acceptable for use as reported.
A	Compound identification criteria were not met.

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**Appendix B. Analytical Results**

<i>EMS Codes</i>	<i>Definition</i>
B	Not currently used.
C	LCS or BS criteria were not met.
D	ICP serial dilution criteria were not met.
E	Not currently used.
F	Not currently used.
G	Not currently used.
H	Internal standard criteria were not met when the IS was used for quantitation.
I	Matrix spike recovery was not within the control limits.
K	A tentatively identified compound is a suspected aldol-condensation product.
L	Initial or continuing calibration criteria were not met.
M	Not currently used.
N	Not currently used.
O	Surrogate or tracer spike recovery is out of specification.
P	Graphite furnace atomic absorption QC a. Duplication 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.
Q	Not currently used.
R	Not currently used.
S	The sample was analyzed by the method of standard additions.
T	Not currently used.
U	Not currently used.
V	Not currently used.
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.
X	The laboratory duplicate RPD or MS/MSD RPD was not within control limits.
Y	Not currently used.
Z	Not currently used.
4	Matrix interference is present.
6	The analyte was detected in both the sample and associated field blank.
7	The analyte was detected in both the sample and associated rinsate.
8	The analyte was detected in both the sample and associated trip blank.
9	The field duplicate RPD was not within control limits.

## **Appendix B. Analytical Results**

## Field Qualifiers

Sample interference field qualifiers were added to the field data in the analytical results tables beginning fourth quarter 1996. The qualifiers describe sampling interferences encountered during sample collection that could affect analytical results. They are used to qualify analytical data based on field conditions. Due to space limitations, the sample interference field qualifiers are referred to as *field qualifiers* in the following table and in the field data section of the analytical results tables.

<i>Field Qualifiers</i>	<i>Definition</i>
A	The pump was surging excessively. Aeration could cause oxidation reactions and loss of volatiles (low results). Analytical results may be of poor precision (high variability) due to sampling bias. The sample qualifier shall include an <i>A</i> if the site code is an <i>A</i> .
B	If the method code for a sample is <i>B</i> , then the sample qualifier shall include a <i>B</i> . This indicates that an open bucket bailer was used to collect the sample, which typically agitates the sample, increasing aeration and suspended solids. All analytical results may be of poor precision, volatile organic results may be biased low, and some metal and radionuclide results may be biased high.
C	Analytical results may be unrepresentative of true values due to reactions with metal well casing. This value will be automatically filled in if the casing type in the well inventory table is <i>Al</i> , <i>CS</i> , <i>Iron</i> , <i>SS</i> , or <i>Steel</i> . Analytical results for some metals and radionuclides may be higher or lower than actual groundwater concentrations.
G	If the method code for a sample is <i>G</i> , then the sample qualifier shall include a <i>G</i> . This indicates that an open bucket bailer was used to collect the sample without purging the well to attain stabilized field parameters. The grab sample method collects water that has undergone chemical reactions with the atmosphere and typically agitates the sample, increasing aeration and suspended solids. All analytical results may be of poor precision, volatile organic results may be biased low, and some metal and radionuclide results may be biased high. Analytical results may differ significantly for actual groundwater concentrations.
H	Analytical results may be unrepresentative of actual groundwater concentrations due to an elevated pH, possibly due to well installation materials (drilling mud, grout). Results for some inorganic constituents (i.e., sodium, metals, radionuclides) may be affected. If the pH for a sample is greater than eight, then the sample qualifier shall include an <i>H</i> .
N	Analytical results may be unrepresentative of actual groundwater concentrations due to well installation or formation interferences causing elevated turbidity. Results for particle reactive constituents (i.e., metals, radionuclides) may be elevated. If the turbidity for a sample is greater than 15 NTU, then the sample qualifier shall include an <i>N</i> .
S	If the sample method is an <i>S</i> , then the sample qualifier shall include an <i>S</i> . Single-speed centrifugal submersible pump flow rates vary from 1 to 15 gpm, and agitation of the sample may occur at higher flow rates, causing poor precision, low volatile organic results, or elevated metal or radionuclide results.
U	One or more of the field parameters (i.e., pH, conductivity, turbidity) did not stabilize prior to sample collection. The results may be of poor precision (high variability) due to sampling bias. The sample qualifier shall be a <i>U</i> if the stabilized field is <i>N</i> or the method code is <i>G</i> .
V	If the method code is a <i>V</i> , then the sample qualifier shall include a <i>V</i> . Sample collection with variable-speed pumps indicates that flow rates were less than one liter per minute. Sample collection at low flow rates provides the best estimates of actual groundwater concentrations due to reduced sampling bias.
X	If the site code is an <i>X</i> , then the sample qualifier shall include an <i>X</i> . Analytical results may be of poor precision for many constituents, and volatile organic results may be biased low because the well went dry during purging.

## Appendix B. Analytical Results

## Calculation of Alkalinity Relationships

The results obtained from the phenolphthalein and total alkalinity determinations offer a means for stoichiometric classification of the three principal forms of alkalinity present in many waters. The classification ascribes the entire alkalinity to bicarbonate, carbonate, and hydroxide, and assumes the absence of other (weak) inorganic or organic acids, such as silicic, phosphoric, and boric acids. It further presupposes the incompatibility of hydroxide and bicarbonate alkalinities. Because the calculations are made on a stoichiometric basis, ion concentrations in the strictest sense are not represented in the results, which may differ significantly from actual concentrations, especially at pH > 10. According to this scheme:

(1) Carbonate ( $\text{CO}_3^{2-}$ ) alkalinity is present when phenolphthalein alkalinity is not zero but is less than total alkalinity.

(2) Hydroxide ( $\text{OH}^-$ ) alkalinity is present if phenolphthalein alkalinity is more than half the total alkalinity.

(3) Bicarbonate ( $\text{HCO}_3^-$ ) alkalinity is present if phenolphthalein alkalinity is less than half the total alkalinity. These relationships may be calculated by the following scheme, where  $P$  is phenolphthalein alkalinity and  $T$  is total alkalinity:

Select the smaller value of  $P$  or  $(T - P)$ . Then, carbonate alkalinity equals twice the smaller value. When the smaller value is  $P$ , the balance  $(T - 2P)$  is bicarbonate. When the smaller value is  $(T - P)$ , the balance  $(2P - T)$  is hydroxide. All results are expressed as  $\text{CaCO}_3$ .

<i>If Phenolphthalein Alkalinity Result =</i>	<i>then Hydroxide Alkalinity =</i>	<i>then Carbonate Alkalinity =</i>	<i>then Bicarbonate Alkalinity =</i>
0	0	0	Total Alk
<½ Total Alk	0	2(Phen Alk)	Total Alk – 2(Phen Alk)
=½ Total Alk	0	2(Phen Alk)	0
>½ Total Alk	2(Phen Alk) – Total Alk	2(Total Alk – Phen Alk)	0
Phen Alk = Total Alk	Total Alk	0	0

## WELL BGO 1D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/17/99  
 Depth to water: 56.29 ft (17.15 m) below TOC  
 Water elevation: 238.82 ft (72.79 m) msl  
 pH: 4.4  
 Sp. conductance: 44 µS/cm  
 Turbidity: 8 NTU  
 Water evacuated from the well prior to sampling: 22 gal

Time: 9:51  
 Water temperature: 24.4°C  
 Air temperature: 22.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO <sub>3</sub> )	<13.4	U			13,400	mg/L	WA	EPA310.1
2	Aluminum, total recoverable	2,050				146	µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	20.9				1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	4.10	J	I		7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	24.9				15.0	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<9.08	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
2	Iron, total recoverable	1,210				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	7.30	J	I		47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	<1.70	U	V		2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nickel, total recoverable	3.40	J	I		26.0	µg/L	WA	EPA6010B
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sulfate	<428	U	V		190	µg/L	WA	EPA9056
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	22,000	J	I		5,000	µg/L	WA	EPA160.1
0	Total organic carbon	6.010				1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	59.4				53.0	µg/L	WA	EPA6010B
0	Carbon-14	-1.49E-08±5.66E-09	U			1.08E-08	µCi/mL	GP	EPIA-003
0	Gross alpha	2.07E-09±6.92E-10	J	I		7.58E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.47E-09±5.69E-10	J	I		1.24E-09	µCi/mL	GP	EPIA-001
0	Radium, total alpha-emitting	6.00E-10±5.00E-10	JU	L	I	6.27E-10	µCi/mL	GP	EPIA-010
0	Strontium-90	-2.03E-10±6.26E-10	U			1.34E-09	µCi/mL	GP	EPIA-004
1	Tritium	1.09E-05±6.66E-07				5.73E-07	µCi/mL	GP	EPIA-002

ESH-EMS-990521

## WELL BGO 2D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/21/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 4.4  
 Sp. conductance: 35 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 46 gal

Time: 13:40  
 Water temperature: 22.1°C  
 Air temperature: 29.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO <sub>3</sub> )	<13.4	U			13,400	mg/L	WA	EPA310.1
0	Alkalinity (as CaCO <sub>3</sub> )	<13.4	U			13,400	mg/L	WA	EPA310.1
2	Aluminum, total recoverable	96.1	J	IK	I	146	µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	19.0				1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	<0.980	JU	I	4	7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	2.00	J	I		15.0	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Iron, total recoverable	<33.9	U	V		74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.590	J	I		2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nickel, total recoverable	<26.0	U			26.0	µg/L	WA	EPA6010B
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sulfate	265	J	I		340	µg/L	WA	EPA9056
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B

B-7

Second Quarter 1999



Well BGO 3C collected on 05/19/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0 Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Chloroethene (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0 2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Chromium, total recoverable	4.60	J	I		7.00	µg/L	WA	EPA6010B
0 Chromium, total recoverable	5.50	U	I		7.00	µg/L	WA	EPA6010B
0 Copper, total recoverable	3.60	J	I		15.0	µg/L	WA	EPA6010B
0 Copper, total recoverable	2.60	J	I		15.0	µg/L	WA	EPA6010B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Iron, total recoverable	92.2	U			74.0	µg/L	WA	EPA6010B
0 Iron, total recoverable	111	U			74.0	µg/L	WA	EPA6010B
0 Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0 Lead, total recoverable	<47.0	U	V		47.0	µg/L	WA	EPA6010B
0 Lithium, total recoverable	<1.90	U	V		2.70	µg/L	WA	EPA6010B
0 Lithium, total recoverable	<1.90	U	V		2.70	µg/L	WA	EPA6010B
0 Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0 Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0 Nickel, total recoverable	3.70	J	I		26.0	µg/L	WA	EPA6010B
0 Nickel, total recoverable	4.70	J	I		26.0	µg/L	WA	EPA6010B
0 Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0 Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0 Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0 Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0 Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0 Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0 Sulfate	1,020	U			340	µg/L	WA	EPA9056
0 Sulfate	1,020	U			340	µg/L	WA	EPA9056
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0 Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0 Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Total dissolved solids	27,000	J	IQ		50,000	µg/L	WA	EPA160.1
0 Total organic carbon	<1,000	U			1,000	µg/L	WA	EPA9060
0 Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Zinc, total recoverable	5.30	J	I		53.0	µg/L	WA	EPA6010B
0 Zinc, total recoverable	5.50	J	I		53.0	µg/L	WA	EPA6010B
0 Carbon-14	1.33E-09±4.30E-09	JU	L	OC	7.36E-09	µCi/mL	GP	EPIA-003
0 Carbon-14	-1.19E-09±4.12E-09	JU	L	OC	7.18E-09	µCi/mL	GP	EPIA-003
0 Gross alpha	3.12E-10±2.97E-10	U			4.66E-10	µCi/mL	GP	EPIA-001
0 Nonvolatile beta	9.16E-10±5.84E-10	U			1.17E-09	µCi/mL	GP	EPIA-001
0 Radium, total alpha-emitting	-2.00E-10±2.00E-10	U			6.59E-10	µCi/mL	GP	EPIA-010
0 Strontium-90	2.79E-10±3.95E-10	JU	L	CI	8.33E-10	µCi/mL	GP	EPIA-004
0 Tritium	8.79E-06±6.46E-07	J	L	CI	6.31E-07	µCi/mL	GP	EPIA-002

**WELL BGO 3DR**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/24/99  
 Depth to water: 60.36 ft (18.4 m) below TOC  
 Water elevation: 231.14 ft (70.45 m) msl  
 pH: 4.6  
 Sp. conductance: 32 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 24 gal

Time: 10:47  
 Water temperature: 23°C  
 Air temperature: 26.9°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Alkalinity (as CaCO3)	<6.70	U			6.700	mg/L	WA	EPA310.1
0 Aluminum, total recoverable	<120	U	V		146	µg/L	WA	EPA6010B
0 Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0 Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0 Barium, total recoverable	14.1	U			1.80	µg/L	WA	EPA6010B
0 Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Chloroethene (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0 2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Chromium, total recoverable	2.30	J	I		7.00	µg/L	WA	EPA6010B
0 Copper, total recoverable	<12.8	U	V		15.0	µg/L	WA	EPA6010B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Dichloromethane	<5.00	U	V		5.00	µg/L	WA	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Iron, total recoverable	<26.6	U	V		74.0	µg/L	WA	EPA6010B
0 Lead, total recoverable	10.0	J	I		47.0	µg/L	WA	EPA6010B
0 Lithium, total recoverable	0.410	J	I		2.70	µg/L	WA	EPA6010B
0 Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0 Nickel, total recoverable	<26.0	U			26.0	µg/L	WA	EPA6010B
0 Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0 Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0 Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0 Sulfate	383	U			340	µg/L	WA	EPA9056
0 Sulfate	542	U			340	µg/L	WA	EPA9056
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0 Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Total dissolved solids	25,000	J	IQ		50,000	µg/L	WA	EPA160.1
0 Total organic carbon	1,720	U			1,000	µg/L	WA	EPA9060
0 Total organic halogens	57.9	J	I		120	µg/L	WA	EPA9020B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Trichloroethylene	56.0	U			5.00	µg/L	WA	EPA8260B
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Zinc, total recoverable	9.40	J	I		53.0	µg/L	WA	EPA6010B
0 Carbon-14	2.33E-09±4.45E-09	JU	L	OC	7.56E-09	µCi/mL	GP	EPIA-003
0 Gross alpha	2.05E-09±7.19E-10	U			7.87E-10	µCi/mL	GP	EPIA-001
0 Nonvolatile beta	1.87E-09±7.40E-10	U			1.34E-09	µCi/mL	GP	EPIA-001
0 Radium, total alpha-emitting	1.60E-09±6.00E-10	U			4.94E-10	µCi/mL	GP	EPIA-010
0 Strontium-90	8.14E-10±7.84E-10	U			1.50E-09	µCi/mL	GP	EPIA-004
0 Tritium	2.07E-03±4.01E-05	U			3.48E-06	µCi/mL	GP	EPIA-002

## WELL BGO 4D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/18/99  
 Depth to water: 67 ft (20.42 m) below TOC  
 Water elevation: 230.5 ft (70.26 m) msl  
 pH: 5.6  
 Sp. conductance: 24 µS/cm  
 Turbidity: 4 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 14:00  
 Water temperature: 20.4°C  
 Air temperature: 31.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO <sub>3</sub> )	5.07	J	I		13,400	mg/L	WA	EPA310.1
2	Aluminum, total recoverable	315				146	µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<4.00	JU	I	4	40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	7.90				1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Boron, total recoverable	<266				266	µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	14.9				7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	7.00	J	I		15.0	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<12.3	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
2	Iron, total recoverable	647				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	13.9	J	I		47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	<1.10	U	V		2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nickel, total recoverable	9.30	J	I		26.0	µg/L	WA	EPA6010B
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sulfate	809				340	µg/L	WA	EPA9056
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	27,000	J	IQ		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	637	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	18.9	J	I		53.0	µg/L	WA	EPA6010B
0	Carbon-14	3.46E-09±5.44E-09	U			9.22E-09	µCi/mL	GP	EPIA-003
0	Gross alpha	2.71E-09±7.88E-10				6.02E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.87E-09±7.26E-10				1.15E-09	µCi/mL	GP	EPIA-001
0	Radium, total alpha-emitting	7.00E-10±5.00E-10	J	IL	I	6.73E-10	µCi/mL	GP	EPIA-010
0	Strontium-90	-2.31E-10±5.39E-10	U			1.18E-09	µCi/mL	GP	EPIA-004
2	Tritium	2.23E-04±4.40E-06				9.78E-07	µCi/mL	GP	EPIA-002

## WELL BGO 5C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/18/99  
 Depth to water: 81.68 ft (24.9 m) below TOC  
 Water elevation: 214.42 ft (65.36 m) msl  
 pH: 6.2  
 Sp. conductance: 34 µS/cm  
 Turbidity: 5 NTU  
 Water evacuated from the well prior to sampling: 6 gal  
 The well went dry during purging.

Time: 14:55  
 Water temperature: 21.9°C  
 Air temperature: 31.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 8 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO <sub>3</sub> )	6.86	J	I		8,930	mg/L	WA	EPA310.1
2	Aluminum, total recoverable	386				146	µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	17.1				1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Boron, total recoverable	<266				266	µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	8.50				7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	6.60	J	I		15.0	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<14.2	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
1	Iron, total recoverable	182				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	<1.60	U	V		2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nickel, total recoverable	2.60	J	I		26.0	µg/L	WA	EPA6010B
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sulfate	587				340	µg/L	WA	EPA9056
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	54,000	J	Q		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	877	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	18.5	J	I		53.0	µg/L	WA	EPA6010B
0	Carbon-14	-1.03E-09±5.23E-09	U			9.14E-09	µCi/mL	GP	EPIA-003
0	Gross alpha	-3.65E-11±2.91E-10	U			8.14E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	6.62E-10±6.46E-10	U			1.37E-09	µCi/mL	GP	EPIA-001
0	Radium, total alpha-emitting	3.00E-10±4.00E-10	JU	L	I	6.78E-10	µCi/mL	GP	EPIA-010
0	Strontium-90	-1.88E-10±6.40E-10	U			1.11E-09	µCi/mL	GP	EPIA-004
2	Tritium	5.49E-05±1.33E-06				5.66E-07	µCi/mL	GP	EPIA-002

## WELL BGO 5D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/24/99  
 Depth to water: 66.65 ft (20.32 m) below TOC  
 Water elevation: 229.65 ft (70 m) msl  
 pH: 4.7  
 Sp. conductance: 44 µS/cm  
 Turbidity: 5 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 12:05  
 Water temperature: 23.1°C  
 Air temperature: 27.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO <sub>3</sub> )	<6.70	U			6,700	mg/L	WA	EPA310.1
0	Aluminum, total recoverable	<157	U	V		146	µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	46.9	U			1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	7.30	U	V		7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	<38.3	U			15.0	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<4.68	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
2	Iron, total recoverable	530	U			74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.400	J	I		2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	J			0.700	µg/L	WA	EPA7470A
0	Nickel, total recoverable	5.30	J	I		26.0	µg/L	WA	EPA6010B
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sulfate	408	U			340	µg/L	WA	EPA9058
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	54,000	J	Q		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	3,040	U			1,000	µg/L	WA	EPA9060
0	Total organic halogens	14.1	J	I		120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	14.1	J	I		53.0	µg/L	WA	EPA6010B
0	Carbon-14	1.32E-09±4.43E-09	U			7.58E-09	µCi/mL	GP	EPIA-003
0	Gross alpha	2.14E-09±7.83E-10	J			9.58E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.46E-09±8.52E-10	J	I		1.55E-09	µCi/mL	GP	EPIA-001
0	Radium, total alpha-emitting	2.00E-09±6.00E-10	U			4.80E-10	µCi/mL	GP	EPIA-010
0	Strontium-90	1.27E-11±7.42E-10	U			1.49E-09	µCi/mL	GP	EPIA-004
2	Tritium	7.68E-03±1.47E-04	U			7.50E-06	µCi/mL	GP	EPIA-002

## WELL BGO 6A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/18/99  
 Depth to water: 126.5 ft (38.56 m) below TOC  
 Water elevation: 159.1 ft (48.49 m) msl  
 pH: 7.4  
 Sp. conductance: 280 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 103 gal

Time: 9:35  
 Water temperature: 19.9°C  
 Air temperature: 26.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 118 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO <sub>3</sub> )	139	J	I		26,800	mg/L	WA	EPA310.1
1	Aluminum, total recoverable	34.1	J			146	µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<4.00	JU	I	4	4.00	µg/L	WA	EPA6010B
0	Barium, total recoverable	43.3	U			1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	<15.0	U			7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	<7.00	U			15.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<14.2	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<25.5	U	V		74.0	µg/L	WA	EPA6010B
0	Iron, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<2.10	U	V		2.70	µg/L	WA	EPA6010B
0	Lithium, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Mercury, total recoverable	<26.0	U			26.0	µg/L	WA	EPA6010B
0	Nickel, total recoverable	<37.0	U			37.0	µg/L	WA	EPA9066
0	Phenols	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<0.850	JU	I	4	5.00	µg/L	WA	EPA6010B
0	Silver, total recoverable	9.270	U			340	µg/L	WA	EPA9058
0	Sulfate	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	219,000	J	Q		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	442	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	<53.0	U			53.0	µg/L	WA	EPA6010B
0	Carbon-14	8.28E-09±5.74E-09	U			9.44E-09	µCi/mL	GP	EPIA-003
0	Gross alpha	6.57E-10±6.04E-10	U			1.09E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.31E-09±8.35E-10	J	I		1.21E-09	µCi/mL	GP	EPIA-001
0	Radium, total alpha-emitting	7.00E-10±5.00E-10	J			6.31E-10	µCi/mL	GP	EPIA-010
0	Strontium-90	2.32E-10±6.26E-10	U			1.24E-09	µCi/mL	GP	EPIA-004
0	Tritium	-3.03E-07±3.11E-07	U			5.68E-07	µCi/mL	GP	EPIA-002

## WELL BGO 6B

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/19/99  
 Depth to water: 69.89 ft (21.3 m) below TOC  
 Water elevation: 216.91 ft (66.11 m) msl  
 pH: 11.2  
 Sp. conductance: 420 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 8:05  
 Water temperature: 20.5°C  
 Air temperature: 18.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 85 mg/L  
 Phenolphthalein alkalinity: 77 mg/L  
 Field Qualifier(s): SXH

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO <sub>3</sub> )	34.8				13,400	mg/L	WA	EPA310.1
0	Aluminum, total recoverable	<65.5	U	V		146	µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	324				1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	2.70	J	I		7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	<15.0	U			15.0	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Iron, total recoverable	146				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
1	Lithium, total recoverable	194				2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nickel, total recoverable	<26.0	U			26.0	µg/L	WA	EPA6010B
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sulfate	2,210				340	µg/L	WA	EPA9056
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	60,000	J	Q		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	2,420				1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA6010B
0	Zinc, total recoverable	18.6	J	I		53.0	µg/L	WA	EPA6010B
0	Carbon-14	2.05E-09±4.50E-09	JU	L	C	7.65E-09	µCi/mL	GP	EPIA-003
0	Gross alpha	1.60E-09±6.80E-10	J	IK	I	5.60E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.60E-09±7.49E-10	J	I		1.27E-09	µCi/mL	GP	EPIA-001
0	Radium, total alpha-emitting	1.50E-09±6.00E-10	J	I		6.47E-10	µCi/mL	GP	EPIA-010
0	Strontium-90	4.38E-10±4.60E-10	JU	L	CI	9.56E-10	µCi/mL	GP	EPIA-004
2	Tritium	1.27E-04±2.54E-06	J	L	C	7.81E-07	µCi/mL	GP	EPIA-002

## WELL BGO 6C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/18/99  
 Depth to water: 66.77 ft (20.35 m) below TOC  
 Water elevation: 218.83 ft (66.7 m) msl  
 pH: 7.2  
 Sp. conductance: 120 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 108 gal

Time: 10:28  
 Water temperature: 20°C  
 Air temperature: 29.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 47 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method	
0	Alkalinity (as CaCO <sub>3</sub> )	52.6				13,400	mg/L	WA	EPA310.1	
1	Aluminum, total recoverable	48.8	J	I		146	µg/L	WA	EPA6010B	
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B	
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B	
0	Barium, total recoverable	9.60				1.80	µg/L	WA	EPA6010B	
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B	
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B	
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B	
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B	
0	Chloroethane (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B	
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B	
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B	
0	Chromium, total recoverable	2.20	J	I		7.00	µg/L	WA	EPA6010B	
0	Copper, total recoverable	2.10	J	I		15.0	µg/L	WA	EPA6010B	
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Dichloromethane	<13.4	U	V		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Iron, total recoverable	<12.1	U	V		74.0	µg/L	WA	EPA6010B	
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B	
0	Lithium, total recoverable	<0.780	U	V		2.70	µg/L	WA	EPA6010B	
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A	
0	Nickel, total recoverable	<26.0	U			26.0	µg/L	WA	EPA6010B	
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9066	
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B	
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B	
0	Sulfate	566				340	µg/L	WA	EPA9056	
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Tetrachloroethylene	1.43	J	I		CX	5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B	
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Total dissolved solids	90,000	J	Q		50,000	µg/L	WA	EPA160.1	
0	Total organic carbon	1,270				1,000	µg/L	WA	EPA9060	
0	Total organic halogens	14.0	J	I		120	µg/L	WA	EPA9020B	
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
1	Trichloroethylene	3.50	J	I		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Zinc, total recoverable	<53.0	U			53.0	µg/L	WA	EPA6010B	
0	Carbon-14	6.88E-09±5.61E-09	U			9.29E-09	µCi/mL	GP	EPIA-003	
0	Gross alpha	5.01E-10±4.47E-10	U			7.78E-10	µCi/mL	GP	EPIA-001	
0	Nonvolatile beta	6.28E-10±6.21E-10	U			1.31E-09	µCi/mL	GP	EPIA-001	
0	Radium, total alpha-emitting	1.00E-10±3.00E-10	JU	L	I	6.66E-10	µCi/mL	GP	EPIA-010	
0	Strontium-90	3.38E-10±1.06E-09	U			2.11E-09	µCi/mL	GP	EPIA-004	
2	Tritium	6.86E-04±1.34E-05	U			1.78E-06	µCi/mL	GP	EPIA-002	

## WELL BGO 6D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/24/99  
Depth to water: 55.45 ft (16.9 m) below TOC  
Water elevation: 230.05 ft (70.12 m) msl  
pH: 5.9  
Sp. conductance: 160 µS/cm  
Turbidity: 13 NTU  
Water evacuated from the well prior to sampling: 5 gal  
The well went dry during purging.

Time: 11:30  
Water temperature: 24.9°C  
Air temperature: 26.5°C  
Total alkalinity (as CaCO<sub>3</sub>): 40 mg/L  
Phenolphthalein alkalinity: 0 mg/L  
Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO <sub>3</sub> )	37.1			13,400		mg/L	WA	EPA310.1
2	Aluminum, total recoverable	187			146		µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0			27.0		µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0			40.0		µg/L	WA	EPA6010B
0	Barium, total recoverable	24.8			1.80		µg/L	WA	EPA6010B
0	Benzene	<5.00		U	5.00		µg/L	WA	EPA8260B
0	Boron, total recoverable	<266			266		µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00			5.00		µg/L	WA	EPA8260B
0	Bromoform	<5.00			5.00		µg/L	WA	EPA8260B
0	Bromomethane	<10.0			10.0		µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70			4.70		µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00			5.00		µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00			5.00		µg/L	WA	EPA8260B
0	Chloroethane	<10.0			10.0		µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0			10.0		µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0			10.0		µg/L	WA	EPA8260B
0	Chloroform	4.81		J	5.00		µg/L	WA	EPA8260B
0	Chloromethane	<10.0			10.0		µg/L	WA	EPA8260B
0	Chromium, total recoverable	1.90		J	7.00		µg/L	WA	EPA6010B
0	Copper, total recoverable	<9.40			15.0		µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00			5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethane	5.88			5.00		µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00		U	5.00		µg/L	WA	EPA8260B
2	1,1-Dichloroethylene	8.54			5.00		µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00		U	5.00		µg/L	WA	EPA8260B
0	Dichloromethane	<4.82			5.00		µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00			5.00		µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00			5.00		µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00			5.00		µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00			5.00		µg/L	WA	EPA8260B
2	Iron, total recoverable	449			74.0		µg/L	WA	EPA6010B
0	Lead, total recoverable	11.0		J	47.0		µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.370			2.70		µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700			0.700		µg/L	WA	EPA7470A
0	Nickel, total recoverable	<26.0			26.0		µg/L	WA	EPA6010B
0	Phenols	<37.0			37.0		µg/L	WA	EPA9066
0	Selenium, total recoverable	<66.0			66.0		µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00			5.00		µg/L	WA	EPA6010B
0	Sulfate	843			340		µg/L	WA	EPA9056
0	1,1,2,2-Tetrachloroethane	<5.00			5.00		µg/L	WA	EPA8260B
2	Tetrachloroethylene	19.7			5.00		µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0		U	70.0		µg/L	WA	EPA6010B
0	Toluene	<5.00			5.00		µg/L	WA	EPA8260B
0	Total dissolved solids	67,000			50,000		µg/L	WA	EPA160.1
0	Total organic carbon	1,670			1,000		µg/L	WA	EPA9060
2	Total organic halogens	211			120		µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	1.37			5.00		µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00		J	5.00		µg/L	WA	EPA8260B
2	Trichloroethylene	185			5.00		µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00			5.00		µg/L	WA	EPA8260B
0	Xylenes	<5.00			5.00		µg/L	WA	EPA8260B
0	Zinc, total recoverable	22.0		J	53.0		µg/L	WA	EPA6010B
0	Carbon-14	6.74E-09±4.63E-09		U	7.63E-09		µCi/mL	GP	EPIA-003
0	Gross alpha	9.35E-10±6.15E-10		U	1.00E-09		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	9.42E-10±6.44E-10		U	1.30E-09		µCi/mL	GP	EPIA-001
0	Radium, total alpha-emitting	2.00E-10±3.00E-10		U	4.50E-10		µCi/mL	GP	EPIA-010
0	Strontium-90	-8.65E-10±6.35E-10		U	1.37E-09		µCi/mL	GP	EPIA-004
2	Tritium	1.09E-03±2.12E-05			2.43E-06		µCi/mL	GP	EPIA-002

## WELL BGO 7D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/25/99  
Depth to water: 56.55 ft (17.24 m) below TOC  
Water elevation: 230.45 ft (70.24 m) msl  
pH: 4.8  
Sp. conductance: 28 µS/cm  
Turbidity: 1 NTU  
Water evacuated from the well prior to sampling: 64 gal

Time: 12:41  
Water temperature: 20°C  
Air temperature: 31.2°C  
Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
Phenolphthalein alkalinity: 0 mg/L  
Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO <sub>3</sub> )	<6.70				6,700	mg/L	WA	EPA310.1
0	Aluminum, total recoverable	<38.6			146		µg/L	WA	EPA6010B
0	Antimony, total recoverable	<19.9			146		µg/L	WA	EPA6010B
0	Asenic, total recoverable	<27.0			27.0		µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<27.0			27.0		µg/L	WA	EPA6010B
0	Barium, total recoverable	6.60			1.80		µg/L	WA	EPA6010B
0	Benzene	<5.00			5.00		µg/L	WA	EPA8260B
0	Boron, total recoverable	<266			266		µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00			5.00		µg/L	WA	EPA8260B
0	Bromoform	<5.00			5.00		µg/L	WA	EPA8260B
0	Bromomethane	<10.0			10.0		µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70			4.70		µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70			4.70		µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00			5.00		µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00			5.00		µg/L	WA	EPA8260B
0	Chloroethane	<10.0			10.0		µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0			10.0		µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0			10.0		µg/L	WA	EPA8260B
0	Chloroform	1.66		J	5.00		µg/L	WA	EPA8260B
0	Chloromethane	<10.0			10.0		µg/L	WA	EPA8260B
0	Chromium, total recoverable	<7.00			7.00		µg/L	WA	EPA6010B
0	Chromium, total recoverable	<7.00			7.00		µg/L	WA	EPA6010B
0	Copper, total recoverable	<15.0			15.0		µg/L	WA	EPA6010B
0	Copper, total recoverable	<15.0			15.0		µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00			5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00			5.00		µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00			5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00			5.00		µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00			5.00		µg/L	WA	EPA8260B
0	Dichloromethane	<4.54			5.00		µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00			5.00		µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00			5.00		µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00			5.00		µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00			5.00		µg/L	WA	EPA8260B
0	Iron, total recoverable	<36.9			74.0		µg/L	WA	EPA6010B
0	Iron, total recoverable	<28.7			47.0		µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0			47.0		µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0			47.0		µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.720			2.70		µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.430			2.70		µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700			0.700		µg/L	WA	EPA7470A
0	Mercury, total recoverable	<0.700			0.700		µg/L	WA	EPA7470A
0	Nickel, total recoverable	<26.0			26.0		µg/L	WA	EPA6010B
0	Nickel, total recoverable	<26.0			26.0		µg/L	WA	EPA6010B
0	Phenols	<37.0			37.0		µg/L	WA	EPA9066
0	Phenols	<37.0			37.0		µg/L	WA	EPA9066
0	Selenium, total recoverable	<66.0			66.0		µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0			66.0		µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00			5.00		µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00			5.00		µg/L	WA	EPA6010B
0	Sulfate	935			340		µg/L	WA	EPA9056
0	1,1,2,2-Tetrachloroethane	<5.00			5.00		µg/L	WA	EPA8260B
2	Tetrachloroethylene	5.73			5.00		µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0			70.0		µg/L	WA	EPA6010B
0	Tin, total recoverable	<70.0			70.0		µg/L	WA	EPA6010B
0	Toluene	<5.00			5.00		µg/L	WA	EPA8260B
0	Total dissolved solids	9,000			50,000		µg/L	WA	EPA160.1
0	Total organic carbon	423			1,000		µg/L	WA	EPA9060
1	Total organic halogens	76.1			120		µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00			5.00		µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00			5.00		µg/L	WA	EPA8260B



**ANALYTICAL RESULTS**

Well BGO 8D collected on 05/18/99 (cont.)

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO3)	2.15	J	I		13,400	mg/L	WA	EPA310.1
2	Aluminum, total recoverable	52.3	J	I		146	µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	12.1				1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	<7.00	U			7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	8.30	J	I		15.0	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<17.6	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Iron, total recoverable	<13.8	U	V		74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	<0.400	U	V		2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	0.150	J	I		0.700	µg/L	WA	EPA7470A
0	Nickel, total recoverable	<26.0	U			26.0	µg/L	WA	EPA6010B
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<0.880	JU	I	4	5.00	µg/L	WA	EPA6010B
0	Sulfate	946				340	µg/L	WA	EPA9056
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	48,000	J	IQ		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	323	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<1.00	J	I		5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
1	Trichlorofluoromethane	18.7	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	<53.0	U			53.0	µg/L	WA	EPA6010B
0	Carbon-14	4.00E-08±6.83E-09	J	I		9.09E-09	µCi/mL	GP	EPIA-003
0	Gross alpha	2.06E-09±7.17E-10	J	I		6.71E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.16E-09±5.10E-10	J	I		1.17E-09	µCi/mL	GP	EPIA-001
0	Radium, total alpha-emitting	1.10E-09±5.00E-10	J	IL	I	7.06E-10	µCi/mL	GP	EPIA-010
0	Strontium-90	1.38E-10±5.35E-10	J	I		1.11E-09	µCi/mL	GP	EPIA-004
2	Tritium	2.15E-04±4.24E-06	U			9.63E-07	µCi/mL	GP	EPIA-002

**WELL BGO 9D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/18/99  
 Depth to water: 56.68 ft (17.28 m) below TOC  
 Water elevation: 228.42 ft (69.62 m) msl  
 pH: 4  
 Sp. conductance: 24 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 32 gal

Time: 10:36  
 Water temperature: 24.9°C  
 Air temperature: 31.7°C  
 Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

Well BGO 9D collected on 05/18/99 (cont.)

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO3)	<13.4	U			13,400	mg/L	WA	EPA310.1
2	Aluminum, total recoverable	68.4	J	I		146	µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	7.80				1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	<7.00	U			7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	4.80	J	I		15.0	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<14.0	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Iron, total recoverable	<37.8	U	V		74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	<0.360	U	V		2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nickel, total recoverable	<26.0	U			26.0	µg/L	WA	EPA6010B
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sulfate	567				340	µg/L	WA	EPA9056
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	54,000	J	IQ		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	489	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	9.10	J	I		53.0	µg/L	WA	EPA6010B
0	Carbon-14	2.02E-08±6.08E-09	J	I		9.29E-09	µCi/mL	GP	EPIA-003
0	Gross alpha	1.62E-09±6.34E-10	J	I		6.42E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	5.27E-10±6.08E-10	J	I		1.30E-09	µCi/mL	GP	EPIA-001
0	Radium, total alpha-emitting	1.30E-09±7.00E-10	J	IL	I	7.10E-10	µCi/mL	GP	EPIA-010
0	Strontium-90	3.16E-10±6.43E-10	J	I		1.32E-09	µCi/mL	GP	EPIA-004
2	Tritium	1.62E-04±3.22E-06	U			8.29E-07	µCi/mL	GP	EPIA-002

**WELL BGO 10AR**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/06/99  
 Depth to water: 142.21 ft (43.35 m) below TOC  
 Water elevation: 158.29 ft (48.25 m) msl  
 pH: 7.2  
 Sp. conductance: 200 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 150 gal

Time: 9:36  
 Water temperature: 20.4°C  
 Air temperature: 23.1°C  
 Total alkalinity (as CaCO3): 98 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S



## ANALYTICAL RESULTS

Well BGO 10C collected on 05/17/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	24.8	J	I		53.0	µg/L	GP	EPA6010B
0	Carbon-14	4.31E-09±5.36E-09	U			9.02E-09	µCi/mL	GP	EPIA-003
0	Gross alpha	1.52E-09±7.98E-10	J	I		1.21E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	5.09E-10±6.62E-10	U			1.43E-09	µCi/mL	GP	EPIA-001
0	Radium, total alpha-emitting	1.00E-10±4.00E-10	JU	L	I	7.27E-10	µCi/mL	GP	EPIA-010
0	Strontium-90	-7.18E-11±6.48E-10	U			1.39E-09	µCi/mL	GP	EPIA-004
0	Tritium	-8.80E-08±3.21E-07	U			5.67E-07	µCi/mL	GP	EPIA-002

## WELL BGO 10DR

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/06/99  
 Depth to water: 69.77 ft (21.27 m) below TOC  
 Water elevation: 230.63 ft (70.3 m) msl  
 pH: 6.6  
 Sp. conductance: 66 µS/cm  
 Turbidity: 6 NTU  
 Water evacuated from the well prior to sampling: 2 gal  
 The well went dry during purging.

Time: 10:10  
 Water temperature: 21.6°C  
 Air temperature: 24.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 26 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO <sub>3</sub> )	30.3				13,400	mg/L	WA	EPA310.1
0	Aluminum, total recoverable	17.4	J	I		146	µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	42.3	U			1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	JU	Q		10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	JU	Q		10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	JU	Q		10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	JU	Q		10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	JU	Q		10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	<7.00	U			7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	30.2	U			15.0	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<8.88	JU	Q		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Iron, total recoverable	88.8	J			74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	10.5	J	I		47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	12.5	U			2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nickel, total recoverable	5.20	J	I		26.0	µg/L	WA	EPA6010B
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9055
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sulfate	948	U			190	µg/L	WA	EPA9055
0	Sulfate	960	U			190	µg/L	WA	EPA9055
0	1,1,2,2-Tetrachloroethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	57,000				50,000	µg/L	WA	EPA160.1
0	Total dissolved solids	53,000				50,000	µg/L	WA	EPA160.1
0	Total organic carbon	2,520				1,000	µg/L	WA	EPA9050
0	Total organic halogens	13.3	J	I		120	µg/L	WA	EPA9020B

ESH-EMS-990521

Well BGO 10DR collected on 05/06/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,1,1-Trichloroethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	41.9	J	I		53.0	µg/L	WA	EPA6010B
0	Carbon-14	1.15E-07±1.01E-08				1.16E-08	µCi/mL	GP	EPIA-003
0	Carbon-14	1.23E-07±1.05E-08				1.18E-08	µCi/mL	GP	EPIA-003
0	Gross alpha	3.12E-09±9.07E-10				9.01E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.83E-09±7.62E-10	J	I		1.40E-09	µCi/mL	GP	EPIA-001
0	Radium, total alpha-emitting	1.40E-09±3.00E-10				3.01E-10	µCi/mL	GP	EPIA-010
0	Radium, total alpha-emitting	1.30E-09±3.00E-10				2.69E-10	µCi/mL	GP	EPIA-010
0	Strontium-90	1.01E-09±8.29E-10	JU	L	I	1.57E-09	µCi/mL	GP	EPIA-004
0	Strontium-90	-1.02E-10±4.96E-10	JU	L	I	1.02E-09	µCi/mL	GP	EPIA-004
1	Tritium	1.19E-05±6.88E-07				5.82E-07	µCi/mL	GP	EPIA-002
1	Tritium	1.19E-05±6.89E-07				5.81E-07	µCi/mL	GP	EPIA-002

## WELL BGO 11DR

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/17/99  
 Depth to water: 74.3 ft (22.65 m) below TOC  
 Water elevation: 230.9 ft (70.38 m) msl  
 pH: 4.6  
 Sp. conductance: 54 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 42 gal

Time: 11:26  
 Water temperature: 23.6°C  
 Air temperature: 29.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO <sub>3</sub> )	<13.4	U			13,400	mg/L	WA	EPA310.1
0	Aluminum, total recoverable	<73.9	U	V		146	µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	8.50	U			1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	<1.00	JU	I	4	7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	<15.0	U			15.0	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	7.23	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	1.62	J	I		5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Iron, total recoverable	<14.5	J	I		74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	<0.510	U	V		2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nickel, total recoverable	<26.0	U			26.0	µg/L	WA	EPA6010B
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9055
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sulfate	391	U			190	µg/L	WA	EPA9055
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	27,000	J	I	Q	50,000	µg/L	WA	EPA160.1
0	Total dissolved solids	30,000	J	I	Q	50,000	µg/L	WA	EPA160.1

B-17

Second Quarter 1999



## ANALYTICAL RESULTS

Well BGO 12CX collected on 05/25/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Trichloro fluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Zinc, total recoverable	16.0	J	I		53.0	µg/L	WA	EPA6010B
0 Carbon-14	-1.21E-09±4.32E-09	U			7.52E-09	µCi/mL	GP	EPIA-003
0 Gross alpha	5.73E-10±4.91E-10	U			8.91E-10	µCi/mL	GP	EPIA-001
0 Nonvolatile beta	1.57E-09±6.94E-10	J	IK	I	1.32E-09	µCi/mL	GP	EPIA-001
0 Radium, total alpha-emitting	7.00E-10±6.00E-10	U			8.94E-10	µCi/mL	GP	EPIA-010
0 Strontium-90	-8.31E-10±4.91E-10	J			1.02E-09	µCi/mL	GP	EPIA-004
2 Tritium	2.56E-05±1.01E-06	J	L	C	6.55E-07	µCi/mL	GP	EPIA-002

## WELL BGO 12DR

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/17/99  
 Depth to water: 94.03 ft (28.66 m) below TOC  
 Water elevation: 219.57 ft (66.93 m) msl  
 pH: 10.8  
 Sp. conductance: 800 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 4 gal

Time: 14:26  
 Water temperature: 23.3°C  
 Air temperature: 30.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 199 mg/L  
 Phenolphthalein alkalinity: 199 mg/L  
 Field Qualifier(s): VH

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Alkalinity (as CaCO <sub>3</sub> )	135				26,800	mg/L	WA	EPA310.1
2 Aluminum, total recoverable	363				146	µg/L	WA	EPA6010B
0 Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0 Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0 Barium, total recoverable	58.3				1.80	µg/L	WA	EPA6010B
0 Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0 2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Chromium, total recoverable	2.10	J	I		7.00	µg/L	WA	EPA6010B
0 Copper, total recoverable	1.70	J	I		15.0	µg/L	WA	EPA6010B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Dichloromethane	<9.71	U	V		5.00	µg/L	WA	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Iron, total recoverable	<16.9	U	V		74.0	µg/L	WA	EPA6010B
0 Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0 Lithium, total recoverable	20.9				2.70	µg/L	WA	EPA6010B
0 Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0 Nickel, total recoverable	<26.0	U			26.0	µg/L	WA	EPA6010B
0 Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0 Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0 Silver, total recoverable	3.10	J	I		5.00	µg/L	WA	EPA6010B
0 Sulfate	17,300				380	µg/L	WA	EPA9056
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0 Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Total dissolved solids	213,000				50,000	µg/L	WA	EPA160.1
0 Total dissolved solids	203,000				50,000	µg/L	WA	EPA160.1
0 Total organic carbon	517	J	I		1,000	µg/L	WA	EPA9060
0 Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Trichloroethylene	1.72	J	I		5.00	µg/L	WA	EPA8260B
0 Trichloro fluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B

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Well BGO 12DR collected on 05/17/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Zinc, total recoverable	<53.0	U			53.0	µg/L	WA	EPA6010B
0 Carbon-14	-9.58E-11±5.39E-09	U			9.35E-09	µCi/mL	GP	EPIA-003
0 Gross alpha	6.98E-11±5.26E-10	U			1.34E-09	µCi/mL	GP	EPIA-001
0 Nonvolatile beta	8.58E-09±1.11E-09	U			1.37E-09	µCi/mL	GP	EPIA-001
0 Radium, total alpha-emitting	0.00E+00±3.00E-10	JU	L	I	6.89E-10	µCi/mL	GP	EPIA-010
0 Strontium-90	-4.29E-10±6.20E-10	U			1.37E-09	µCi/mL	GP	EPIA-004
1 Tritium	1.17E-05±6.82E-07	U			5.70E-07	µCi/mL	GP	EPIA-002

## WELL BGO 13DR

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/20/99  
 Depth to water: 89.3 ft (27.22 m) below TOC  
 Water elevation: 230 ft (70.1 m) msl  
 pH: 6.2  
 Sp. conductance: 57 µS/cm  
 Turbidity: 7 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 9:50  
 Water temperature: 22.6°C  
 Air temperature: 27.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 18 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Alkalinity (as CaCO <sub>3</sub> )	25.6				13,400	mg/L	WA	EPA310.1
0 Aluminum, total recoverable	<30.6	U	V		146	µg/L	WA	EPA6010B
0 Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0 Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0 Barium, total recoverable	44.4				1.80	µg/L	WA	EPA6010B
0 Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0 2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Chromium, total recoverable	13.5				7.00	µg/L	WA	EPA6010B
0 Copper, total recoverable	9.90	J	I		15.0	µg/L	WA	EPA6010B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U	V		5.00	µg/L	WA	EPA8260B
0 Dichloromethane	<6.61	U	V		5.00	µg/L	WA	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
1 Iron, total recoverable	198				74.0	µg/L	WA	EPA6010B
1 Lead, total recoverable	32.5	J	I		47.0	µg/L	WA	EPA6010B

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Second Quarter 1999





Well BGO 14CR collected on 05/25/99 (cont.)

Table with 12 columns: F Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Rows include various organic compounds like Tetrachloroethylene and Tin, with results mostly showing detection limits or low concentrations.

WELL BGO 14DR

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/25/99
Water temperature: 20.6°C
Depth to water: 70.9 ft (21.61 m) below TOC
Water elevation: 229.4 ft (69.92 m) msl
pH: 5.3
Sp. conductance: 34 µS/cm
Turbidity: 1 NTU
Water evacuated from the well prior to sampling: 42 gal

ANALYSES

Table with 12 columns: F Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Rows include Alkalinity (as CaCO3), Aluminum, Arsenic, Barium, Benzene, Boron, Bromoform, Bromomethane, Cadmium, Carbon tetrachloride, Chlorobenzene, Chloroethane, etc.

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Well BGO 14DR collected on 05/25/99 (cont.)

Table with 12 columns: F Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Rows include Total dissolved solids, Total organic carbon, Total organic halogens, etc.

WELL BGO 15D

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/25/99
Water temperature: 22.8°C
Depth to water: 65.51 ft (21.19 m) below TOC
Water elevation: 229.19 ft (69.86 m) msl
pH: 4.9
Sp. conductance: 29 µS/cm
Turbidity: 2 NTU
Water evacuated from the well prior to sampling: 46 gal

ANALYSES

Table with 12 columns: F Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Rows include Alkalinity (as CaCO3), Aluminum, Arsenic, Barium, Benzene, Boron, Bromoform, Bromomethane, Cadmium, Carbon tetrachloride, Chlorobenzene, Chloroethane, etc.

B-22

ANALYTICAL RESULTS

Well BGO 15D collected on 05/24/99 (cont.)

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists various chemical analytes and their corresponding results and methods.

WELL BGO 15D Replicate

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/24/99
Depth to water: 69.51 ft (21.19 m) below TOC
Water elevation: 229.19 ft (69.86 m) msl
pH: 4.9
Sp. conductance: 29 µS/cm
Turbidity: 2 NTU
Water evacuated from the well prior to sampling: 46 gal

ANALYSES

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists analytical results for various parameters like Alkalinity, Aluminum, Arsenic, etc.

WELL BGO 16AR

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/18/99
Depth to water: 142.8 ft (43.53 m) below TOC
Water elevation: 160.9 ft (49.04 m) msl
pH: 7
Sp. conductance: 160 µS/cm
Turbidity: 1 NTU
Water evacuated from the well prior to sampling: 147 gal

ANALYSES

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists analytical results for various parameters like Alkalinity, Aluminum, Arsenic, etc.

Well BGO 16AR collected on 05/18/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	3.30	J	I	CX	10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	2.60	J			7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	1.60	J	I		15.0	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<15.3	U	V	CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Iron, total recoverable	108				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	<1.80	U	V		2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nickel, total recoverable	<26.0	U			26.0	µg/L	WA	EPA6010B
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<0.570	JU	I	4	5.00	µg/L	WA	EPA6010B
0	Sulfate	1,260				340	µg/L	WA	EPA9056
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	129,000	J	Q		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	249	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	7.00	J	I		53.0	µg/L	WA	EPA6010B
0	Carbon-14	7.32E-10±5.18E-09	U			8.93E-09	µCi/mL	GP	EPIA-003
0	Gross alpha	1.47E-09±7.36E-10	J	I		9.71E-10	µCi/mL	GP	EPIA-001
0	Nonvolatiles beta	1.00E-09±6.53E-10	U			1.31E-09	µCi/mL	GP	EPIA-001
0	Radium, total alpha-emitting	3.00E-10±4.00E-10	JU	L	I	6.18E-10	µCi/mL	GP	EPIA-010
0	Strontium-90	-1.01E-10±5.95E-10	U			1.27E-09	µCi/mL	GP	EPIA-004
0	Tritium	6.14E-08±3.25E-07	U			5.63E-07	µCi/mL	GP	EPIA-002

## WELL BGO 16B

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/18/99  
Depth to water: 88.03 ft (26.83 m) below TOC  
Water elevation: 217.07 ft (66.16 m) msl  
pH: 7.4  
Sp. conductance: 200 µS/cm  
Turbidity: 3 NTU  
Water evacuated from the well prior to sampling: 2 gal  
The well went dry during purging.

Time: 13:53  
Water temperature: 23.2°C  
Air temperature: 30.6°C  
Total alkalinity (as CaCO<sub>3</sub>): 103 mg/L  
Phenolphthalein alkalinity: 0 mg/L  
Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO <sub>3</sub> )	103				26,800	mg/L	WA	EPA310.1
2	Aluminum, total recoverable	120	J	I		146	µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	43.1				1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B

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Well BGO 16B collected on 05/18/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chromium, total recoverable	1.60	J	I		7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	4.80	J	I		15.0	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<11.1	U	V	CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Iron, total recoverable	112				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	28.8				2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nickel, total recoverable	<26.0	U			26.0	µg/L	WA	EPA6010B
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sulfate	1,900				340	µg/L	WA	EPA9056
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	153,000	J	Q		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	2,190				1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	27.4	J	I		53.0	µg/L	WA	EPA6010B
0	Carbon-14	1.80E-09±5.39E-09	U			9.23E-09	µCi/mL	GP	EPIA-003
0	Gross alpha	1.03E-09±6.21E-10	J	I		8.67E-10	µCi/mL	GP	EPIA-001
0	Nonvolatiles beta	9.82E-10±6.30E-10	U			1.25E-09	µCi/mL	GP	EPIA-001
0	Radium, total alpha-emitting	3.00E-10±4.00E-10	JU	L	I	6.15E-10	µCi/mL	GP	EPIA-010
0	Strontium-90	-9.51E-11±5.20E-10	U			1.12E-09	µCi/mL	GP	EPIA-004
0	Tritium	5.49E-06±5.16E-07	U			5.58E-07	µCi/mL	GP	EPIA-002

## WELL BGO 16D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/18/99  
Depth to water: 74.8 ft (22.8 m) below TOC  
Water elevation: 229.8 ft (70.04 m) msl  
pH: 7  
Sp. conductance: 58 µS/cm  
Turbidity: 5 NTU  
Water evacuated from the well prior to sampling: 1 gal  
The well went dry during purging.

Time: 13:28  
Water temperature: 24.7°C  
Air temperature: 33.3°C  
Total alkalinity (as CaCO<sub>3</sub>): 27 mg/L  
Phenolphthalein alkalinity: 0 mg/L  
Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO <sub>3</sub> )	23.6				13,400	mg/L	WA	EPA310.1
2	Aluminum, total recoverable	150				146	µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	18.7				1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	2.90	J	I		7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	3.10	J	I		15.0	µg/L	WA	EPA6010B

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**ANALYTICAL RESULTS**

Well BGO 16D collected on 05/18/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<11.2	U	V	CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
2	Iron, total recoverable	521				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	16.3	J	I		47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	9.30				2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nickel, total recoverable	3.30	J	I		26.0	µg/L	WA	EPA6010B
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sulfate	525				340	µg/L	WA	EPA9056
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	57,000	J	Q		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	417	J			1,000	µg/L	WA	EPA9060
0	Total organic halogens	37.9	J	I		120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
2	Trichloroethylene	9.54			CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	20.9	J	I		53.0	µg/L	WA	EPA6010B
0	Carbon-14	5.79E-09±5.52E-09	U			9.21E-09	µCi/mL	GP	EPIA-003
0	Carbon-14	3.10E-10±5.25E-09	U			9.08E-09	µCi/mL	GP	EPIA-003
0	Gross alpha	1.64E-09±6.56E-10	J	I		7.77E-10	µCi/mL	GP	EPIA-001
0	Nonvolatiles beta	2.83E-09±8.32E-10	J			1.42E-09	µCi/mL	GP	EPIA-001
0	Radium, total alpha-emitting	8.00E-10±5.00E-10	J	IL	I	5.95E-10	µCi/mL	GP	EPIA-010
0	Radium, total alpha-emitting	6.00E-10±4.00E-10	J	IL	I	5.76E-10	µCi/mL	GP	EPIA-010
0	Strontium-90	3.28E-10±6.38E-10	U			1.31E-09	µCi/mL	GP	EPIA-004
0	Strontium-90	-2.81E-10±6.04E-10	U			1.33E-09	µCi/mL	GP	EPIA-004
2	Tritium	2.14E-04±4.22E-06				9.51E-07	µCi/mL	GP	EPIA-002
2	Tritium	2.16E-04±4.27E-06				9.61E-07	µCi/mL	GP	EPIA-002

Well BGO 17DR collected on 05/20/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chromium, total recoverable	2.50	J	I		7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	3.30	J	I		15.00	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<6.11	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Iron, total recoverable	143				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	<1.00	U	V		2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nickel, total recoverable	3.60	J	I		26.0	µg/L	WA	EPA6010B
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sulfate	298	J	I		340	µg/L	WA	EPA9056
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	59,000	J	Q		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	300	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
1	Trichloroethylene	2.88	J	I		5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	7.90	J	I		53.0	µg/L	WA	EPA6010B
0	Carbon-14	2.38E-09±4.67E-09	U			7.94E-09	µCi/mL	GP	EPIA-003
0	Gross alpha	1.01E-09±5.50E-10	J	IK	I	7.05E-10	µCi/mL	GP	EPIA-001
0	Nonvolatiles beta	1.35E-09±7.31E-10	U			1.42E-09	µCi/mL	GP	EPIA-001
0	Radium, total alpha-emitting	-1.00E-10±2.00E-10	U			6.29E-10	µCi/mL	GP	EPIA-010
0	Strontium-90	8.83E-11±4.53E-10	JU	L	CI	9.99E-10	µCi/mL	GP	EPIA-004
1	Tritium	1.01E-05±6.94E-07	J	L	C	6.51E-07	µCi/mL	GP	EPIA-002

**WELL BGO 17DR**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/20/99  
 Depth to water: 68.85 ft (20.99 m) below TOC  
 Water elevation: 230.35 ft (70.21 m) msl  
 pH: 5.1  
 Sp. conductance: 21 µS/cm  
 Turbidity: 12 NTU  
 Water evacuated from the well prior to sampling: 4 gal  
 The well went dry during purging.

Time: 10:18  
 Water temperature: 22.6°C  
 Air temperature: 26°C  
 Total alkalinity (as CaCO3): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

**WELL BGO 18A**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/26/99  
 Depth to water: 134.1 ft (40.87 m) below TOC  
 Water elevation: 161.1 ft (49.1 m) msl  
 pH: 6.8  
 Sp. conductance: 160 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 124 gal

Time: 9:14  
 Water temperature: 22.1°C  
 Air temperature: 26.4°C  
 Total alkalinity (as CaCO3): 72 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO3)	78.1				13,400	mg/L	WA	EPA310.1
0	Aluminum, total recoverable	<17.2	U	V		146	µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	26.3				1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	<1.10	JU	I	4	7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	<15.00	U			15.00	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B

**ANALYTICAL RESULTS**

Well BGO 18A collected on 05/26/99 (cont.)

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists various chemical analytes and their corresponding results and detection limits.

**WELL BGO 18D**

MEASUREMENTS CONDUCTED IN THE FIELD
Sample date: 05/20/99
Water temperature: 20.8°C
Depth to water: 64.16 ft (19.56 m) below TOC
Water elevation: 230.74 ft (70.33 m) msl
pH: 3.9
Sp. conductivity: 28 µS/cm
Turbidity: 0 NTU
Water evacuated from the well prior to sampling: 36 gal

**ANALYSES**

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists analytical results for Well BGO 18A.

Well BGO 18D collected on 05/20/99 (cont.)

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists various chemical analytes and their corresponding results and detection limits.

**WELL BGO 19DR**

MEASUREMENTS CONDUCTED IN THE FIELD
Sample date: 05/19/99
Water temperature: 19.8°C
Depth to water: 53.08 ft (19.23 m) below TOC
Water elevation: 230.72 ft (70.32 m) msl
pH: 5.2
Sp. conductivity: 32 µS/cm
Turbidity: 0 NTU
Water evacuated from the well prior to sampling: 15 gal

**ANALYSES**

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists analytical results for Well BGO 18D.

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ANALYTICAL RESULTS

Well BGO 19DR collected on 05/19/99 (cont.)

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists various chemical analytes and their concentrations.

Well BGO 20A collected on 05/19/99 (cont.)

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists various chemical analytes and their concentrations.

WELL BGO 20A

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/19/99
Depth to water: 121.04 ft (36.89 m) below TOC
Water elevation: 162.86 ft (49.64 m) msf
pH: 8.4
Sp. conductance: 208 µS/cm
Turbidity: 0 NTU
Water evacuated from the well prior to sampling: 49 gal

Time: 8:21
Water temperature: 20.9°C
Air temperature: 21.8°C
Total alkalinity (as CaCO3): 88 mg/L
Phenolphthalein alkalinity: 0 mg/L
Field Qualifier(s): VH

ANALYSES

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists analytical results for various substances.

ESH-EMS-990521

WELL BGO 20AA

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/19/99
Depth to water: 122.1 ft (37.22 m) below TOC
Water elevation: 161.5 ft (49.23 m) msf
pH: 8.8
Sp. conductance: 174 µS/cm
Turbidity: 0 NTU
Water evacuated from the well prior to sampling: 77 gal

Time: 10:12
Water temperature: 20.4°C
Air temperature: 26.6°C
Total alkalinity (as CaCO3): 68 mg/L
Phenolphthalein alkalinity: 0 mg/L
Field Qualifier(s): VH

ANALYSES

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists analytical results for various substances.

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Well BGO 20AA collected on 05/19/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<7.53	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
1	Iron, total recoverable	296				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	35.6				2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nickel, total recoverable	<26.0	U			26.0	µg/L	WA	EPA6010B
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sulfate	10,200				340	µg/L	WA	EPA9056
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	136,000	J	Q		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	325	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	<53.0	U			53.0	µg/L	WA	EPA6010B
0	Carbon-14	9.44E-10±4.24E-09	JU	L	C	7.27E-09	µCi/mL	GP	EPIA-003
0	Gross alpha	1.18E-09±6.95E-10	J	I		1.06E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	8.06E-09±1.08E-09				1.40E-09	µCi/mL	GP	EPIA-001
0	Radium, total alpha-emitting	4.00E-10±4.00E-10	U			6.71E-10	µCi/mL	GP	EPIA-010
0	Strontium-90	2.07E-10±4.62E-10	JU	L	Cl	9.94E-10	µCi/mL	GP	EPIA-004
0	Tritium	-2.69E-07±3.68E-07	JU	L	C	6.64E-07	µCi/mL	GP	EPIA-002

**WELL BGO 20B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 56.3 ft (17.16 m) below TOC  
 Water elevation: 227.2 ft (69.25 m) msl  
 pH: 6.5  
 Sp. conductance: 95 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 50 gal

Time: 12:47  
 Water temperature: 21.4°C  
 Air temperature: 23.4°C  
 Total alkalinity (as CaCO3): 33 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<4.32	U	V	CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B

**ESH-EMS-990521**

Well BGO 20B collected on 04/14/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Gross alpha	7.80E-10±5.40E-10	J	IK	C	6.30E-10	µCi/mL	TM	EPA900.0M
0	Gross alpha	3.30E-10±5.30E-10	U			9.20E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.62E-09±1.08E-09	U			1.74E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	5.30E-10±9.30E-10	U			1.59E-09	µCi/mL	TM	EPA900.0M
0	Tritium	2.00E-07±3.10E-07	U			5.30E-07	µCi/mL	TM	EPA906.0M
0	Tritium	1.30E-07±3.20E-07	U			5.50E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 20B Replicate**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 56.3 ft (17.16 m) below TOC  
 Water elevation: 227.2 ft (69.25 m) msl  
 pH: 6.5  
 Sp. conductance: 95 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 50 gal

Time: 12:47  
 Water temperature: 21.4°C  
 Air temperature: 23.4°C  
 Total alkalinity (as CaCO3): 33 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	5.00E-10±6.90E-10	U			1.17E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.90E-10±1.02E-09	U			1.77E-09	µCi/mL	TM	EPA900.0M
0	Tritium	3.00E-08±3.20E-07	U			5.70E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 20B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/19/99  
 Depth to water: 57.1 ft (17.4 m) below TOC  
 Water elevation: 226.4 ft (69.01 m) msl  
 pH: 6.2  
 Sp. conductance: 120 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 62 gal

Time: 10:32  
 Water temperature: 21°C  
 Air temperature: 27.3°C  
 Total alkalinity (as CaCO3): 44 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO3)	39.7				13,400	mg/L	WA	EPA310.1
0	Aluminum, total recoverable	<146	U			146	µg/L	WA	EPA6010B

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**Second Quarter 1999**

**ANALYTICAL RESULTS**

Well BGO 20B collected on 05/19/89 (cont.)

Well BGO 20B collected on 05/19/89 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Arsenic, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0 Barium, total recoverable	9.80	U			40.0	µg/L	WA	EPA6010B
0 Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Boron, total recoverable	<266	U		CX	266	µg/L	WA	EPA6010B
0 Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Bromomethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0 Bromomethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0 Cadmium, total recoverable	<4.70	U		CX	4.70	µg/L	WA	EPA6010B
0 Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Chloroethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0 Chloroethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0 Chloroethane (Vinyl chloride)	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0 Chloroethane (Vinyl chloride)	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0 2-Chloroethyl vinyl ether	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0 2-Chloroethyl vinyl ether	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0 Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Chloromethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0 Chloromethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0 Chromium, total recoverable	4.60	U		CX	7.00	µg/L	WA	EPA6010B
0 Copper, total recoverable	<15.00	U		CX	15.00	µg/L	WA	EPA8260B
0 Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 trans-1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 trans-1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Dichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Dichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 cis-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 cis-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 trans-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 trans-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Iron, total recoverable	20.6	U		CX	74.0	µg/L	WA	EPA6010B
0 Lead, total recoverable	<47.0	U		CX	47.0	µg/L	WA	EPA6010B
0 Lithium, total recoverable	<1.00	U		CX	2.70	µg/L	WA	EPA6010B
0 Mercury, total recoverable	<0.700	U		CX	0.700	µg/L	WA	EPA470A
0 Nickel, total recoverable	<26.0	U		CX	26.0	µg/L	WA	EPA6010B
0 Phenols	<37.0	U		CX	37.0	µg/L	WA	EPA9056
0 Selenium, total recoverable	<66.0	U		CX	66.0	µg/L	WA	EPA6010B
0 Silver, total recoverable	<5.00	U		CX	5.00	µg/L	WA	EPA6010B

ESH-EMS-990521

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**WELL BGO 20B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/14/89  
 Depth to water: 56.45 ft (17.21 m) below TOC  
 Water elevation: 227.05 ft (69.21 m) msl  
 pH: 6.6  
 Sp. conductance: 95 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 36 gal

Time: 12:39  
 Water temperature: 23.4°C  
 Air temperature: 32.8°C  
 Total alkalinity (as CaCO3): 37 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromomethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chloroethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0 Chloroethane (Vinyl chloride)	<10.00	U			10.00	µg/L	WA	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chloromethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Iron, total recoverable	20.6	U			74.0	µg/L	WA	EPA6010B
0 Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0 Lithium, total recoverable	<1.00	U			2.70	µg/L	WA	EPA6010B
0 Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA470A
0 Nickel, total recoverable	<26.0	U			26.0	µg/L	WA	EPA6010B
0 Phenols	<37.0	U			37.0	µg/L	WA	EPA9056
0 Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0 Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA8260B

Second Quarter 1999

Well BGO 20B collected on 06/14/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	1.26E-09±7.90E-10	J	I		1.08E-09	µCi/mL	TM	EPA900.0M
0	Gross alpha	8.00E-10±6.80E-10	U			1.03E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.63E-09±1.15E-09	J	I		1.68E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.75E-09±1.04E-09	J	I		1.66E-09	µCi/mL	TM	EPA900.0M
0	Tritium	2.00E-07±2.80E-07	U			4.80E-07	µCi/mL	TM	EPA906.0M
0	Tritium	3.20E-07±2.90E-07	U			4.70E-07	µCi/mL	TM	EPA906.0M

## WELL BGO 20C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 54.93 ft (16.74 m) below TOC  
 Water elevation: 228.57 ft (69.67 m) msl  
 pH: 5.2  
 Sp. conductance: 229 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 35 gal

Time: 12:11  
 Water temperature: 20.4°C  
 Air temperature: 21.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U	V		5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<4.25	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Gross alpha	0.00E+00±5.60E-10	U			1.12E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.35E-09±9.90E-10	U			1.60E-09	µCi/mL	TM	EPA900.0M
0	Tritium	5.20E-06±6.00E-07	U			5.60E-07	µCi/mL	TM	EPA906.0M

## WELL BGO 20C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/19/99  
 Depth to water: 55.8 ft (17.01 m) below TOC  
 Water elevation: 227.7 ft (69.4 m) msl  
 pH: 5.5  
 Sp. conductance: 28 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 43 gal

Time: 9:07  
 Water temperature: 20°C  
 Air temperature: 24.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO <sub>3</sub> )	3.22	J	I		13,400	mg/L	WA	EPA310.1
0	Aluminum, total recoverable	<17.3	U	V		146	µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	4.70				1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloromethane	<3.50	U		CX	10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	3.50	J	V		7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	<15.0	U			15.0	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	14.5	J	I		74.0	µg/L	WA	EPA6010B
0	Iron, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<2.30	U	V		2.70	µg/L	WA	EPA6010B
0	Lithium, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Mercury, total recoverable	<25.0	U			25.0	µg/L	WA	EPA6010B
0	Nickel, total recoverable	<37.0	U			37.0	µg/L	WA	EPA9066
0	Phenols	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Silver, total recoverable	617	U			340	µg/L	WA	EPA9056
0	Sulfate	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B

Well BGO 20C collected on 05/19/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	23,000	J	IQ		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	182	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	<53.0	U			53.0	µg/L	WA	EPA6010B
0	Carbon-14	4.52E-10±4.17E-09	JU	L	C	7.18E-09	µCi/mL	GP	EPIA-003
0	Gross alpha	8.80E-11±3.00E-10	U			8.61E-10	µCi/mL	GP	EPIA-001
0	Gross alpha	6.10E-10±5.60E-10	J	I		7.30E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	9.68E-10±5.48E-10	U			1.32E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.50E-10±9.50E-10	U			1.67E-09	µCi/mL	TM	EPA900.0M
0	Radium, total alpha-emitting	2.00E-10±4.00E-10	U			6.60E-10	µCi/mL	GP	EPIA-010
0	Strontium-90	-1.47E-11±4.37E-10	JU	L	CI	9.80E-10	µCi/mL	GP	EPIA-004
0	Tritium	5.51E-06±5.72E-07	J	L	C	6.54E-07	µCi/mL	GP	EPIA-002
0	Tritium	-2.10E-07±3.00E-07	U			5.60E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 20C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/14/99  
 Depth to water: 55.02 ft (16.77 m) below TOC  
 Water elevation: 228.48 ft (69.64 m) msl  
 pH: 5.6  
 Sp. conductance: 27 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 27 gal

Time: 13:02  
 Water temperature: 22.7°C  
 Air temperature: 33°C  
 Total alkalinity (as CaCO3): 9 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	4.00E-10±5.30E-10	U			8.90E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.20E-09±9.80E-10	U			1.61E-09	µCi/mL	TM	EPA900.0M
0	Tritium	5.02E-06±5.50E-07	U			4.70E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 20D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 51.06 ft (15.56 m) below TOC  
 Water elevation: 232.64 ft (70.91 m) msl  
 pH: 5.1  
 Sp. conductance: 54 µS/cm  
 Turbidity: 12 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 13:00  
 Water temperature: 21.3°C  
 Air temperature: 24.2°C  
 Total alkalinity (as CaCO3): 8 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<4.30	U	V	CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Gross alpha	3.40E-09±1.04E-09	J	K	C	8.80E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.54E-09±1.00E-09	U			1.59E-09	µCi/mL	TM	EPA900.0M
2	Tritium	2.18E-05±1.09E-06	U			5.50E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 20D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/19/99  
 Depth to water: 51.2 ft (15.61 m) below TOC  
 Water elevation: 232.5 ft (70.87 m) msl  
 pH: 4.8  
 Sp. conductance: 54 µS/cm  
 Turbidity: 8 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 10:40  
 Water temperature: 20.7°C  
 Air temperature: 28.4°C  
 Total alkalinity (as CaCO3): 9 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO3)	9.75	J	I		13,400	mg/L	WA	EPA310.1
0	Aluminum, total recoverable	<35.6	U	V		146	µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	34.6	U			1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B



**ANALYTICAL RESULTS**

Well BGO 21D collected on 05/19/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.00	U		CX	10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	<0.950	JU	I	4	7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	11.7	J	I		15.0	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
2	Iron, total recoverable	302				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	11.3				2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U	I		0.700	µg/L	WA	EPA7470A
0	Nickel, total recoverable	3.30	J	I		26.0	µg/L	WA	EPA6010B
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9056
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sulfate	483				340	µg/L	WA	EPA9056
0	Sulfate	482				340	µg/L	WA	EPA9056
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	44,000	J	IQ		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	1,490				1,000	µg/L	WA	EPA9056
0	Total organic halogens	32.6	J	I		120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	38.3	J	I		53.0	µg/L	WA	EPA6010B
0	Carbon-14	-9.63E-10±4.14E-09	JU	L	C	7.20E-09	µCi/mL	GP	EPIA-003
0	Gross alpha	2.13E-09±7.47E-10	J	I		8.26E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.86E-09±7.22E-10	J	I		1.28E-09	µCi/mL	GP	EPIA-001
0	Radium, total alpha-emitting	8.00E-10±5.00E-10	J	I		6.51E-10	µCi/mL	GP	EPIA-010
0	Strontium-90	-1.10E-10±4.53E-10	JU	L	CI	1.03E-09	µCi/mL	GP	EPIA-004
2	Tritium	2.38E-05±9.75E-07	J	L	C	6.55E-07	µCi/mL	GP	EPIA-002

**WELL BGO 22DX**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/19/99  
 Depth to water: 52.11 ft (15.88 m) below TOC  
 Water elevation: 233.59 ft (71.2 m) msl  
 pH: 4.8  
 Sp. conductance: 48 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 11 gal

Time: 10:58  
 Water temperature: 20.8°C  
 Air temperature: 25°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO3)	<13.4	U			13,400	mg/L	WA	EPA310.1
0	Aluminum, total recoverable	<77.2	U	V		146	µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	52.2				1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	1.50	J	I		7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	24.4				15.0	µg/L	WA	EPA6010B

ESH-EMS-990521

Well BGO 22DX collected on 05/19/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	1.70	J	I		7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	5.60	J	I		15.0	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Iron, total recoverable	145				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U	V		47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	<0.440	U			2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nickel, total recoverable	<26.0	U			26.0	µg/L	WA	EPA6010B
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9056
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U	I		5.00	µg/L	WA	EPA6010B
0	Sulfate	330	J	I		340	µg/L	WA	EPA9056
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	37,000	J	IQ		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	1,390				1,000	µg/L	WA	EPA9056
0	Total organic halogens	12.2	J	I		120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	<53.0	U			53.0	µg/L	WA	EPA6010B
0	Carbon-14	5.00E-09±4.37E-09	JU	L	C	7.27E-09	µCi/mL	GP	EPIA-003
0	Gross alpha	4.31E-09±9.72E-10	J	I		6.38E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	3.16E-09±9.34E-10	J	I		1.34E-09	µCi/mL	GP	EPIA-001
1	Radium, total alpha-emitting	2.70E-09±8.00E-10	J	I		6.95E-10	µCi/mL	GP	EPIA-010
0	Strontium-90	9.85E-11±5.55E-10	JU	L	CI	1.22E-09	µCi/mL	GP	EPIA-004
2	Tritium	2.17E-05±9.30E-07	J	L	C	6.46E-07	µCi/mL	GP	EPIA-002

**WELL BGO 23D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/19/99  
 Depth to water: 54.4 ft (16.58 m) below TOC  
 Water elevation: 234.8 ft (71.57 m) msl  
 pH: 6  
 Sp. conductance: 36 µS/cm  
 Turbidity: 4 NTU  
 Water evacuated from the well prior to sampling: 24 gal

Time: 12:41  
 Water temperature: 22.5°C  
 Air temperature: 29.9°C  
 Total alkalinity (as CaCO3): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO3)	2.54	J	I		13,400	mg/L	WA	EPA310.1
0	Aluminum, total recoverable	<33.0	U	V		146	µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	9.40				1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	1.50	J	I		7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	24.4				15.0	µg/L	WA	EPA6010B

B-33

Second Quarter 1999

Well BGO 23D collected on 05/19/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<6.00	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Iron, total recoverable	70.9	J	I		74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	7.80	J	I		47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	<1.70	U	V		2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nickel, total recoverable	<26.0	U			26.0	µg/L	WA	EPA6010B
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<0.560	JU	I	4	5.00	µg/L	WA	EPA6010B
0	Sulfate	274	J	I		340	µg/L	WA	EPA9056
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	33,000	J	IQ		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	387	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	16.4	J	I		53.0	µg/L	WA	EPA6010B
0	Carbon-14	2.77E-09±4.25E-09	JU	L	C	7.19E-09	µCi/mL	GP	EPIA-003
0	Gross alpha	1.22E-09±5.60E-10	J	I		7.23E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	7.83E-10±5.88E-10	U			1.19E-09	µCi/mL	GP	EPIA-001
0	Radium, total alpha-emitting	4.00E-10±4.00E-10	U			6.99E-10	µCi/mL	GP	EPIA-010
0	Strontium-90	1.97E-11±7.05E-10	JU	L	Cl	1.58E-09	µCi/mL	GP	EPIA-004
1	Tritium	1.99E-05±8.88E-07	J	L	C	6.37E-07	µCi/mL	GP	EPIA-002

**WELL BGO 24D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/19/99  
 Depth to water: 57.05 ft (17.39 m) below TOC  
 Water elevation: 236.15 ft (71.98 m) msl  
 pH: 6.8  
 Sp. conductance: 54 µS/cm  
 Turbidity: 5 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 11:35  
 Water temperature: 20.9°C  
 Air temperature: 26.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 18 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO <sub>3</sub> )	16.6				13,400	mg/L	WA	EPA310.1
2	Aluminum, total recoverable	374				146	µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	10.7	U			1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	2.50	J	I		7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	3.10	J	I		15.0	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B

**ESH-EMS-990521**

Well BGO 24D collected on 05/19/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
1	Iron, total recoverable	281				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	<1.10	U	V		2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nickel, total recoverable	3.10	J	I		26.0	µg/L	WA	EPA6010B
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sulfate	2,050	U			340	µg/L	WA	EPA9056
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	60,000	J	Q		50,000	µg/L	WA	EPA160.1
0	Total dissolved solids	64,000	J	I		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	311	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	9.00	J	I		53.0	µg/L	WA	EPA6010B
0	Carbon-14	8.70E-10±4.29E-09	JU	L	C	7.37E-09	µCi/mL	GP	EPIA-003
0	Gross alpha	2.10E-09±6.84E-10	J	I		4.75E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.55E-09±7.43E-10	J	I		1.19E-09	µCi/mL	GP	EPIA-001
0	Radium, total alpha-emitting	2.00E-10±4.00E-10	U			7.37E-10	µCi/mL	GP	EPIA-010
0	Strontium-90	8.49E-11±4.87E-10	JU	L	Cl	1.07E-09	µCi/mL	GP	EPIA-004
1	Tritium	1.12E-05±7.12E-07	J	L	C	6.40E-07	µCi/mL	GP	EPIA-002

**WELL BGO 33D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 51.97 ft (15.84 m) below TOC  
 Water elevation: 228.33 ft (69.6 m) msl  
 pH: 4.4  
 Sp. conductance: 55 µS/cm  
 Turbidity: 5 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 7:55  
 Water temperature: 18°C  
 Air temperature: 9.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<4.35	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B

Well BGO 33D collected on 04/14/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Gross alpha	5.50E-09±1.13E-09	J	K	C	8.90E-10	µCi/mL	TM	EPA900.0M
0	Gross alpha	6.65E-09±1.31E-09	J	K	C	8.50E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.31E-09±9.70E-10	J	I		1.40E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.74E-09±1.09E-09	J	I		1.59E-09	µCi/mL	TM	EPA900.0M
1	Tritium	1.95E-05±1.07E-06				6.20E-07	µCi/mL	TM	EPA906.0M
2	Tritium	2.11E-05±1.11E-06				6.30E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 33D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/18/99  
 Depth to water: 52.35 ft (15.96 m) below TOC  
 Water elevation: 227.95 ft (69.48 m) msl  
 pH: 4.4  
 Sp. conductance: 55 µS/cm  
 Turbidity: 13 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 8:10  
 Water temperature: 21.4°C  
 Air temperature: 18.4°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<4.81	U	V		5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<4.74	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B

**ESH-EMS-990521**

Well BGO 33D collected on 05/18/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	4.68E-09±1.12E-09				2.30E-10	µCi/mL	TM	EPA900.0M
0	Gross alpha	4.03E-09±1.04E-09				2.30E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.34E-09±1.19E-09				2.70E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	6.42E-09±1.34E-09				2.70E-10	µCi/mL	TM	EPA900.0M
2	Tritium	2.14E-05±1.04E-06				5.10E-07	µCi/mL	TM	EPA906.0M
2	Tritium	2.03E-05±1.00E-06				5.00E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 33D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/15/99  
 Depth to water: 52.55 ft (16.02 m) below TOC  
 Water elevation: 227.75 ft (69.42 m) msl  
 pH: 4.8  
 Sp. conductance: 46 µS/cm  
 Turbidity: 14 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 16:10  
 Water temperature: 27.2°C  
 Air temperature: 32.2°C  
 Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<7.60	U	V	CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Gross alpha	2.64E-09±9.60E-10	J	I		1.11E-09	µCi/mL	TM	EPA900.0M
0	Gross alpha	3.23E-09±1.03E-09				1.11E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.02E-09±1.15E-09	J	I		1.74E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.43E-09±1.12E-09	J	I		1.74E-09	µCi/mL	TM	EPA900.0M
1	Tritium	1.99E-05±1.01E-06				5.10E-07	µCi/mL	TM	EPA906.0M
1	Tritium	1.93E-05±9.90E-07				5.10E-07	µCi/mL	TM	EPA906.0M

**B-35**

**Second Quarter 1999**

## WELL BGO 34D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 44.45 ft (13.55 m) below TOC  
 Water elevation: 230.45 ft (70.24 m) msl  
 pH: 4.9  
 Sp. conductance: 27 µS/cm  
 Turbidity: 15 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 8:05  
 Water temperature: 17.7°C  
 Air temperature: 10.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Gross alpha	2.59E-09±8.30E-10	J	K	C	8.70E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.71E-09±9.70E-10				1.36E-09	µCi/mL	TM	EPA900.0M
1	Trilium	1.05E-05±8.00E-07				6.10E-07	µCi/mL	TM	EPA906.0M

## WELL BGO 34D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/18/99  
 Depth to water: 44.75 ft (13.64 m) below TOC  
 Water elevation: 230.15 ft (70.15 m) msl  
 pH: 4.2  
 Sp. conductance: 25 µS/cm  
 Turbidity: 14 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 8:20  
 Water temperature: 21.1°C  
 Air temperature: 19.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B

ESH-EMS-990521

Well BGO 34D collected on 05/18/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<4.93	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Gross alpha	1.91E-09±7.00E-10				2.00E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.23E-09±1.04E-09	J	I		2.60E-10	µCi/mL	TM	EPA900.0M
1	Trilium	1.15E-05±7.70E-07				4.90E-07	µCi/mL	TM	EPA906.0M

## WELL BGO 34D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/15/99  
 Depth to water: 44.92 ft (13.69 m) below TOC  
 Water elevation: 229.98 ft (70.1 m) msl  
 pH: 4.6  
 Sp. conductance: 54 µS/cm  
 Turbidity: 3 NTU  
 Water evacuated from the well prior to sampling: 2 gal  
 The well went dry during purging.

Time: 8:50  
 Water temperature: 22.1°C  
 Air temperature: 25°C  
 Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U	V		5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<7.66	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Gross alpha	1.70E-09±8.20E-10	J	I		1.08E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.24E-09±1.10E-09	J	I		1.73E-09	µCi/mL	TM	EPA900.0M
1	Trilium	1.11E-05±7.70E-07				5.00E-07	µCi/mL	TM	EPA906.0M

B-36

Second Quarter 1999

**WELL BGO 35C**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/21/99  
 Depth to water: 45.65 ft (13.91 m) below TOC  
 Water elevation: 227.75 ft (69.42 m) msl  
 pH: 5  
 Sp. conductance: 50 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 123 gal

Time: 11:21  
 Water temperature: 21.3°C  
 Air temperature: 29.2°C  
 Total alkalinity (as CaCO3): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	1.14	J	I		5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	1.08	J	I		5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<6.02	U	8		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
2	Trichloroethylene	16.6	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	8.90E-10±8.00E-10	U			1.24E-09	µCi/mL	TM	EPA900.0M
0	Gross alpha	1.02E-09±9.00E-10	U			1.43E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	7.90E-10±9.20E-10	U			1.54E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	7.50E-10±9.20E-10	U			1.55E-09	µCi/mL	TM	EPA900.0M
2	Tritium	2.00E-04±3.15E-06	U			5.10E-07	µCi/mL	TM	EPA906.0M
2	Tritium	2.21E-04±3.45E-06	U			5.50E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 35C**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/24/99  
 Depth to water: 45.32 ft (13.81 m) below TOC  
 Water elevation: 228.08 ft (69.52 m) msl  
 pH: 5.5  
 Sp. conductance: 30 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 113 gal

Time: 14:57  
 Water temperature: 23.2°C  
 Air temperature: 31.6°C  
 Total alkalinity (as CaCO3): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	1.12	J	I		5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B

**ESH-EMS-990521**

**Well BGO 35C collected on 05/24/99 (cont.)**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<4.58	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
2	Trichloroethylene	18.8	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	5.80E-10±5.80E-10	U			9.20E-10	µCi/mL	TM	EPA900.0M
0	Gross alpha	1.00E-10±6.40E-10	U			1.23E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.23E-09±9.30E-10	U			1.51E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.10E-10±9.10E-10	U			1.58E-09	µCi/mL	TM	EPA900.0M
2	Tritium	2.29E-04±3.29E-06	U			5.00E-07	µCi/mL	TM	EPA906.0M
2	Tritium	2.07E-04±2.99E-06	U			4.60E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 35C**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/21/99  
 Depth to water: 44.89 ft (13.68 m) below TOC  
 Water elevation: 228.51 ft (69.65 m) msl  
 pH: 6.1  
 Sp. conductance: 34 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 130 gal

Time: 10:08  
 Water temperature: 20.5°C  
 Air temperature: 20.5°C  
 Total alkalinity (as CaCO3): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	0.981	J	I		5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
2	Trichloroethylene	15.6	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	3.00E-10±5.60E-10	U			1.00E-09	µCi/mL	TM	EPA900.0M
0	Gross alpha	4.10E-10±5.80E-10	U			9.80E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	-8.00E-11±9.60E-10	U			1.71E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	-9.60E-10±9.00E-10	U			1.71E-09	µCi/mL	TM	EPA900.0M
2	Tritium	2.36E-04±3.38E-06	U			5.60E-07	µCi/mL	TM	EPA906.0M
2	Tritium	2.36E-04±3.37E-06	U			5.60E-07	µCi/mL	TM	EPA906.0M

**B-37**

**Second Quarter 1999**

## WELL BGO 35D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 41.05 ft (12.51 m) below TOC  
 Water elevation: 232.45 ft (70.85 m) msl  
 pH: 4.5  
 Sp. conductance: 32 µS/cm  
 Turbidity: 14 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 8:15  
 Water temperature: 18.2°C  
 Air temperature: 11.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
2	Gross alpha	1.79E-08±3.09E-09	R			2.37E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatiles beta	7.68E-09±1.70E-09				2.33E-09	µCi/mL	TM	EPA900.0M
2	Tritium	3.49E-05±1.38E-06				6.10E-07	µCi/mL	TM	EPA906.0M

## WELL BGO 35D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/18/99  
 Depth to water: 41.35 ft (12.6 m) below TOC  
 Water elevation: 232.15 ft (70.76 m) msl  
 pH: 4.7  
 Sp. conductance: 39 µS/cm  
 Turbidity: 14 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 8:30  
 Water temperature: 20.3°C  
 Air temperature: 19.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.00	U			10.00	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B

ESH-EMS-990521

Well BGO 35D collected on 05/18/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<4.87	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	1.73E-09±6.80E-10				2.10E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatiles beta	4.90E-10±1.00E-09	U			2.60E-10	µCi/mL	TM	EPA900.0M
2	Tritium	3.79E-05±1.34E-06				5.00E-07	µCi/mL	TM	EPA906.0M

## WELL BGO 35D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/15/99  
 Depth to water: 41.39 ft (12.62 m) below TOC  
 Water elevation: 232.11 ft (70.75 m) msl  
 pH: 4.8  
 Sp. conductance: 62 µS/cm  
 Turbidity: 14 NTU  
 Water evacuated from the well prior to sampling: 2 gal  
 The well went dry during purging.

Time: 10:20  
 Water temperature: 32°C  
 Air temperature: 27°C  
 Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method	
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Bromomethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B	
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Chloroethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B	
0	Chloroethane (Vinyl chloride)	<10.00	U		CX	10.00	µg/L	WA	EPA8260B	
0	2-Chloroethyl vinyl ether	<10.00	U		CX	10.00	µg/L	WA	EPA8260B	
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Chloromethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B	
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Dichloromethane	<6.84	U	V		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B	
0	Gross alpha	5.70E-10±6.90E-10				1.14E-09	µCi/mL	TM	EPA900.0M	
0	Nonvolatiles beta	1.46E-09±1.08E-09	U			1.75E-09	µCi/mL	TM	EPA900.0M	
2	Tritium	5.73E-05±1.66E-06				5.10E-07	µCi/mL	TM	EPA906.0M	

B-38

Second Quarter 1999

**WELL BGO 36D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/14/99  
 Depth to water: 40.1 ft (12.22 m) below TOC  
 Water elevation: 235.3 ft (71.72 m) msl  
 pH: 4.6  
 Sp. conductance: 24 µS/cm  
 Turbidity: 5 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 8:20  
 Water temperature: 17.2°C  
 Air temperature: 11.4°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<4.49	U	V	CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Gross alpha	2.90E-09±9.00E-10	J	K	C	9.90E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.08E-09±8.80E-10	J	I		1.35E-09	µCi/mL	TM	EPA900.0M
1	Tritium	1.56E-05±9.60E-07				6.10E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 36D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/18/99  
 Depth to water: 40.31 ft (12.29 m) below TOC  
 Water elevation: 235.09 ft (71.66 m) msl  
 pH: 4.5  
 Sp. conductance: 24 µS/cm  
 Turbidity: 13 NTU  
 Water evacuated from the well prior to sampling: 2 gal  
 The well went dry during purging.

Time: 8:40  
 Water temperature: 21.5°C  
 Air temperature: 20.8°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B

**ESH-EMS-990521**

Well BGO 36D collected on 05/18/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<4.68	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	2.04E-09±7.20E-10				2.00E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	4.20E-10±1.00E-09	U			2.60E-10	µCi/mL	TM	EPA900.0M
1	Tritium	1.86E-05±9.70E-07				5.10E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 36D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/15/99  
 Depth to water: 39.98 ft (12.19 m) below TOC  
 Water elevation: 235.42 ft (71.76 m) msl  
 pH: 4.8  
 Sp. conductance: 46 µS/cm  
 Turbidity: 14 NTU  
 Water evacuated from the well prior to sampling: 2 gal  
 The well went dry during purging.

Time: 10:50  
 Water temperature: 23°C  
 Air temperature: 29.1°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	2.79E-09±9.70E-10		I		1.10E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.89E-09±1.09E-09	J	I		1.74E-09	µCi/mL	TM	EPA900.0M
1	Tritium	1.73E-05±9.50E-07				5.10E-07	µCi/mL	TM	EPA906.0M

## WELL BGO 37C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/21/99  
 Depth to water: 55.8 ft (17.01 m) below TOC  
 Water elevation: 230.5 ft (70.26 m) msl  
 pH: 4  
 Sp. conductance: 38 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 120 gal

Time: 12:06  
 Water temperature: 21.5°C  
 Air temperature: 28.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Bromodichloromethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Bromoform	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Bromomethane	<100	U			100	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Chlorobenzene	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Chloroethane	<100	U			100	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<100	U			100	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<100	U			100	µg/L	WA	EPA8260B
1	Chloroform	78.7	U			50.0	µg/L	WA	EPA8260B
0	Chloromethane	<100	U			100	µg/L	WA	EPA8260B
0	Dibromochloromethane	<50.0	U			50.0	µg/L	WA	EPA8260B
2	1,1-Dichloroethane	52.3	U			50.0	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<50.0	U			50.0	µg/L	WA	EPA8260B
2	1,1-Dichloroethylene	14.8	J	I		50.0	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<50.0	U			50.0	µg/L	WA	EPA8260B
2	Dichloromethane	242	U			50.0	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Ethylbenzene	<50.0	U			50.0	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<50.0	U			50.0	µg/L	WA	EPA8260B
2	Tetrachloroethylene	36.0	J	I		50.0	µg/L	WA	EPA8260B
0	Toluene	<50.0	U			50.0	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<50.0	U			50.0	µg/L	WA	EPA8260B
2	Trichloroethylene	664	U			50.0	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Xylenes	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Gross alpha	2.45E-09±8.60E-10				7.30E-10	µCi/mL	TM	EPA900.0M
0	Gross alpha	1.97E-09±9.20E-10	J	I		1.20E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.47E-09±1.26E-09	J	I		1.91E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.72E-09±1.02E-09	J	I		1.62E-09	µCi/mL	TM	EPA900.0M
2	Trilium	1.21E-01±1.83E-03				3.34E-04	µCi/mL	TM	EPA906.0M
2	Trilium	1.20E-01±1.82E-03				3.34E-04	µCi/mL	TM	EPA906.0M

## WELL BGO 37C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/24/99  
 Depth to water: 55.3 ft (16.86 m) below TOC  
 Water elevation: 231 ft (70.41 m) msl  
 pH: 4.5  
 Sp. conductance: 42 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 110 gal

Time: 15:26  
 Water temperature: 24°C  
 Air temperature: 30.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Benzene	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Bromodichloromethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Bromodichloromethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Bromoform	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Bromoform	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Bromomethane	<100	U			100	µg/L	WA	EPA8260B
0	Bromomethane	<100	U			100	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Chlorobenzene	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Chlorobenzene	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Chloroethane	<100	U			100	µg/L	WA	EPA8260B
0	Chloroethane	<100	U			100	µg/L	WA	EPA8260B

ESH-EMS-990521

Well BGO 37C collected on 05/24/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloroethene (Vinyl chloride)	<100	U			100	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<100	U			100	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<100	U			100	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<100	U			100	µg/L	WA	EPA8260B
1	Chloroform	84.2	U			50.0	µg/L	WA	EPA8260B
1	Chloroform	82.7	U			50.0	µg/L	WA	EPA8260B
0	Chloromethane	<100	U			100	µg/L	WA	EPA8260B
0	Chloromethane	<100	U			100	µg/L	WA	EPA8260B
0	Dibromochloromethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<50.0	U			50.0	µg/L	WA	EPA8260B
2	1,1-Dichloroethane	56.6	U			50.0	µg/L	WA	EPA8260B
2	1,1-Dichloroethane	55.9	U			50.0	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<50.0	U			50.0	µg/L	WA	EPA8260B
2	1,1-Dichloroethylene	20.7	J	I		50.0	µg/L	WA	EPA8260B
2	1,1-Dichloroethylene	18.2	J	I		50.0	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<50.0	U			50.0	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Dichloromethane	<44.5	U	V		50.0	µg/L	WA	EPA8260B
0	Dichloromethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Ethylbenzene	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Ethylbenzene	<50.0	U			50.0	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<50.0	U			50.0	µg/L	WA	EPA8260B
2	Tetrachloroethylene	24.1	J	I		50.0	µg/L	WA	EPA8260B
2	Tetrachloroethylene	23.6	J	I		50.0	µg/L	WA	EPA8260B
0	Toluene	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Toluene	<50.0	U			50.0	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<50.0	U			50.0	µg/L	WA	EPA8260B
2	Trichloroethylene	652	U			50.0	µg/L	WA	EPA8260B
2	Trichloroethylene	646	U			50.0	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Xylenes	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Xylenes	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Gross alpha	2.92E-09±8.30E-10				7.20E-10	µCi/mL	TM	EPA900.0M
0	Gross alpha	2.76E-09±8.10E-10				7.20E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	-3.01E-09±1.61E-09	U			2.95E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	-3.01E-09±1.60E-09	U			2.95E-09	µCi/mL	TM	EPA900.0M
2	Trilium	1.08E-03				2.56E-06	µCi/mL	TM	EPA906.0M
2	Trilium	1.09E-03				2.62E-06	µCi/mL	TM	EPA906.0M

## WELL BGO 37C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/21/99  
 Depth to water: 54.89 ft (16.73 m) below TOC  
 Water elevation: 231.41 ft (70.53 m) msl  
 pH: 4.5  
 Sp. conductance: 38 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 123 gal

Time: 11:00  
 Water temperature: 20.8°C  
 Air temperature: 21.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Benzene	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Bromodichloromethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Bromodichloromethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Bromoform	<100	U			100	µg/L	WA	EPA8260B
0	Bromoform	<100	U			100	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Chlorobenzene	<100	U			100	µg/L	WA	EPA8260B
0	Chlorobenzene	<100	U			100	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<100	U			100	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<100	U			100	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<100	U			100	µg/L	WA	EPA8260B
1	Chloroform	76.1	U			50.0	µg/L	WA	EPA8260B
0	Chloromethane	<100	U			100	µg/L	WA	EPA8260B

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Second Quarter 1999

Well BGO 37C collected on 06/21/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Dibromochloromethane	<5.00	U			50.0	µg/L	WA	EPA8260B
2	1,1-Dichloroethane	54.2	U			50.0	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			50.0	µg/L	WA	EPA8260B
2	1,1-Dichloroethylene	17.5	J	I		50.0	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			50.0	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U			50.0	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			50.0	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			50.0	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			50.0	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			50.0	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			50.0	µg/L	WA	EPA8260B
2	Tetrachloroethylene	28.3	J	I		50.0	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			50.0	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			50.0	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			50.0	µg/L	WA	EPA8260B
2	Trichloroethylene	627	U			50.0	µg/L	WA	EPA8260B
1	Trichlorofluoromethane	10.3	J	I		50.0	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			50.0	µg/L	WA	EPA8260B
0	Gross alpha	2.23E-09±9.20E-10	J	I		1.02E-09	µCi/mL	TM	EPA900.0M
0	Gross alpha	3.48E-09±1.03E-09	U			9.30E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	-5.30E-10±1.06E-09	U			1.92E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.00E-10±1.09E-09	U			1.89E-09	µCi/mL	TM	EPA900.0M
2	Tritium	9.70E-02±1.58E-03	U			3.04E-04	µCi/mL	TM	EPA906.0M
2	Tritium	9.70E-02±1.59E-03	U			3.06E-04	µCi/mL	TM	EPA906.0M

**WELL BGO 37D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/14/99  
 Depth to water: 49.33 ft (15.04 m) below TOC  
 Water elevation: 237.97 ft (72.53 m) msl  
 pH: 5.1  
 Sp. conductance: 23 µS/cm  
 Turbidity: 3 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 8:30  
 Water temperature: 16.9°C  
 Air temperature: 11.7°C  
 Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<4.23	U	V	CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Gross alpha	9.80E-10±5.80E-10	J	IK	C	7.80E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	9.80E-10±7.40E-10	U		CX	1.21E-09	µCi/mL	TM	EPA900.0M
2	Tritium	2.11E-05±1.09E-06	U		CX	6.10E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 37D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/20/99  
 Depth to water: 49.85 ft (15.19 m) below TOC  
 Water elevation: 237.45 ft (72.38 m) msl  
 pH: 5.1  
 Sp. conductance: 24 µS/cm  
 Turbidity: 4 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 10:15  
 Water temperature: 24.4°C  
 Air temperature: 23.3°C  
 Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<6.04	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	1.32E-09±6.80E-10	J	I		8.10E-10	µCi/mL	TM	EPA900.0M
0	Gross alpha	5.40E-10±6.70E-10	U			1.12E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	9.80E-10±9.80E-10	U			1.64E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.04E-09±5.05E-10	J	I		1.45E-09	µCi/mL	TM	EPA900.0M
2	Tritium	2.28E-05±1.07E-06	U			5.50E-07	µCi/mL	TM	EPA906.0M
2	Tritium	2.28E-05±1.07E-06	U			5.50E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 37D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/15/99  
 Depth to water: 49.85 ft (15.19 m) below TOC  
 Water elevation: 237.45 ft (72.38 m) msl  
 pH: 5.9  
 Sp. conductance: 26 µS/cm  
 Turbidity: 14 NTU  
 Water evacuated from the well prior to sampling: 3 gal  
 The well went dry during purging.

Time: 8:15  
 Water temperature: 23.4°C  
 Air temperature: 23.7°C  
 Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	6.99	J	I		10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B

Well BGO 37D collected on 06/15/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	4.20E-10±6.30E-10	U			1.08E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	7.40E-10±1.03E-09	U			1.73E-09	µCi/mL	TM	EPA900.0M
2	Trilium	2.39E-05±1.10E-06	U			5.10E-07	µCi/mL	TM	EPA906.0M

## WELL BGO 38D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 55.09 ft (16.79 m) below TOC  
 Water elevation: 236.51 ft (72.09 m) msl  
 pH: 4.5  
 Sp. conductance: 33 µS/cm  
 Turbidity: 7 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 8:40  
 Water temperature: 16.7°C  
 Air temperature: 12.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Gross alpha	4.65E-09±1.14E-09	J	K	C	1.01E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.59E-09±1.10E-09	J	I		1.70E-09	µCi/mL	TM	EPA900.0M
1	Trilium	1.89E-05±1.02E-06	U			5.90E-07	µCi/mL	TM	EPA906.0M

ESH-EMS-990521

## WELL BGO 38D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/18/99  
 Depth to water: 56.21 ft (17.13 m) below TOC  
 Water elevation: 235.39 ft (71.75 m) msl  
 pH: 4.6  
 Sp. conductance: 32 µS/cm  
 Turbidity: 6 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 9:00  
 Water temperature: 22.4°C  
 Air temperature: 21.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	3.34E-09±9.00E-10	J	I		2.00E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.29E-09±1.10E-09	J	I		2.60E-10	µCi/mL	TM	EPA900.0M
2	Trilium	2.14E-05±1.05E-06	U			5.20E-07	µCi/mL	TM	EPA906.0M

## WELL BGO 38D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/15/99  
 Depth to water: 54.9 ft (16.73 m) below TOC  
 Water elevation: 236.7 ft (72.15 m) msl  
 pH: 4.2  
 Sp. conductance: 40 µS/cm  
 Turbidity: 13 NTU  
 Water evacuated from the well prior to sampling: 5 gal  
 The well went dry during purging.

Time: 8:45  
 Water temperature: 22°C  
 Air temperature: 24.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B

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Second Quarter 1999

Well BGO 38D collected on 06/15/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	trans-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Toluene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Gross alpha	2.23E-09±9.30E-10	J	1	1.22E-09		µCi/mL	TM	EPA900.0M
0	Nonvolatiles beta	1.47E-09±1.23E-09	U		2.04E-09		µCi/mL	TM	EPA900.0M
2	Tritium	2.05E-05±1.02E-06	U		5.10E-07		µCi/mL	TM	EPA906.0M

## WELL BGO 39C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 65.28 ft (19.9 m) below TOC  
 Water elevation: 231.12 ft (70.45 m) msl  
 pH: 6  
 Sp. conductance: 45 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 37 gal

Time: 10:22  
 Water temperature: 20.1°C  
 Air temperature: 17.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 13 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Benzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromomethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Bromomethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloroethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Chloroethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.00	U		10.00		µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.00	U		10.00		µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloromethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Chloromethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B

ESH-EMS-990521

Well BGO 39C collected on 04/14/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Toluene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Toluene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Gross alpha	1.09E-09±7.00E-10	J	IK	1.00E-09		µCi/mL	TM	EPA900.0M
0	Nonvolatiles beta	9.60E-10±8.30E-10	U	C	1.36E-09		µCi/mL	TM	EPA900.0M
2	Tritium	2.07E-05±1.23E-06	U		7.60E-07		µCi/mL	TM	EPA906.0M

## WELL BGO 39C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/17/99  
 Depth to water: 66.7 ft (20.33 m) below TOC  
 Water elevation: 229.7 ft (70.01 m) msl  
 pH: 6.5  
 Sp. conductance: 54 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 29 gal

Time: 11:50  
 Water temperature: 21°C  
 Air temperature: 25.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 14 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromomethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloroethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Chloroethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.00	U		10.00		µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloromethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Dichloromethane	<9.23	U	V	5.00		µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Toluene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Gross alpha	4.10E-10±5.50E-10	U		9.30E-10		µCi/mL	TM	EPA900.0M
0	Gross alpha	4.70E-10±5.50E-10	U		9.10E-10		µCi/mL	TM	EPA900.0M
0	Nonvolatiles beta	6.70E-10±9.80E-10	U		1.66E-09		µCi/mL	TM	EPA900.0M
0	Nonvolatiles beta	8.40E-10±9.80E-10	U		1.65E-09		µCi/mL	TM	EPA900.0M
0	Tritium	5.31E-06±5.80E-07	U		5.50E-07		µCi/mL	TM	EPA906.0M
0	Tritium	4.66E-06±5.50E-07	U		5.50E-07		µCi/mL	TM	EPA906.0M

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Second Quarter 1999

## WELL BGO 39C Replicate

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/17/99  
 Depth to water: 66.7 ft (20.33 m) below TOC  
 Water elevation: 229.7 ft (70.01 m) msl  
 pH: 6.5  
 Sp. conductance: 54 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 29 gal

Time: 11:50  
 Water temperature: 21°C  
 Air temperature: 25.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 14 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromochloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromomethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloroethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.00	U		10.00		µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloromethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Toluene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Gross alpha	2.30E-10±5.10E-10	U		9.30E-10		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.40E-10±9.60E-10	U		1.66E-09		µCi/mL	TM	EPA900.0M
0	Tritium	5.07E-06±5.60E-07	U		5.40E-07		µCi/mL	TM	EPA906.0M

## WELL BGO 39C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/14/99  
 Depth to water: 65.2 ft (19.87 m) below TOC  
 Water elevation: 231.2 ft (70.47 m) msl  
 pH: 6.5  
 Sp. conductance: 54 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 20 gal

Time: 8:56  
 Water temperature: 21.1°C  
 Air temperature: 24.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 18 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Benzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromochloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromomethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Bromomethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloroethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Chloroethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.00	U		10.00		µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.00	U		10.00		µg/L	WA	EPA8260B

ESH-EMS-990521

## Well BGO 39C collected on 06/14/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	2-Chloroethyl vinyl ether	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloromethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Chloromethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Toluene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Toluene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Gross alpha	6.60E-10±6.00E-10	U		9.30E-10		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.36E-09±1.00E-09	U		1.63E-09		µCi/mL	TM	EPA900.0M
0	Tritium	5.85E-06±5.80E-07	U		4.60E-07		µCi/mL	TM	EPA906.0M

## WELL BGO 39D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 60.3 ft (18.38 m) below TOC  
 Water elevation: 235.4 ft (71.75 m) msl  
 pH: 4.4  
 Sp. conductance: 33 µS/cm  
 Turbidity: 15 NTU  
 Water evacuated from the well prior to sampling: 3 gal  
 The well went dry during purging.

Time: 10:30  
 Water temperature: 22°C  
 Air temperature: 18.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromochloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromomethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloroethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.00	U		10.00		µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloromethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B

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Second Quarter 1999

Well BGO 39D collected on 04/14/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Dichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Toluene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Gross alpha	6.57E-09±1.23E-09	J	K	C	6.70E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	5.04E-09±1.05E-09				1.42E-09	µCi/mL	TM	EPA900.0M
2	Tritium	3.00E-05±1.31E-06				6.40E-07	µCi/mL	TM	EPA906.0M

## WELL BGO 39D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/18/99  
 Depth to water: 61.03 ft (18.6 m) below TOC  
 Water elevation: 234.67 ft (71.53 m) msl  
 pH: 4.5  
 Sp. conductance: 33 µS/cm  
 Turbidity: 15 NTU  
 Water evacuated from the well prior to sampling: 2 gal  
 The well went dry during purging.

Time: 9:10  
 Water temperature: 22.3°C  
 Air temperature: 30.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		10.0		µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Dichloromethane	<5.23	U	V	5.00		µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Toluene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Gross alpha	3.39E-09±9.30E-10				2.10E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.05E-09±1.10E-09	J	I		2.60E-10	µCi/mL	TM	EPA900.0M
2	Tritium	2.94E-05±1.21E-06				5.20E-07	µCi/mL	TM	EPA906.0M

## WELL BGO 39D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/15/99  
 Depth to water: 60.1 ft (18.32 m) below TOC  
 Water elevation: 235.6 ft (71.81 m) msl  
 pH: 4.5  
 Sp. conductance: 34 µS/cm  
 Turbidity: 12 NTU  
 Water evacuated from the well prior to sampling: 6 gal  
 The well went dry during purging.

Time: 9:15  
 Water temperature: 22.5°C  
 Air temperature: 26.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		10.0		µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloromethane	4.50	J	I	10.0		µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Toluene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Gross alpha	2.44E-09±7.20E-10				6.30E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.95E-09±8.50E-10	J	I		1.34E-09	µCi/mL	TM	EPA900.0M
2	Tritium	2.67E-05±1.16E-06				5.10E-07	µCi/mL	TM	EPA906.0M

## WELL BGO 49C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/13/99  
 Depth to water: 43.84 ft (13.36 m) below TOC  
 Water elevation: 227.26 ft (69.27 m) msl  
 pH: 6.3  
 Sp. conductance: 55 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 102 gal

Time: 15:20  
 Water temperature: 19.8°C  
 Air temperature: 22.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 16 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B

Well BGO 49C collected on 04/13/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Dichloromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Gross alpha	9.80E-10±5.50E-10	J	I		6.20E-10	µCi/mL	TM	EPA900.0M
0	Gross alpha	9.90E-10±5.50E-10	J	I		6.30E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatiles beta	1.44E-09±1.05E-09	U			1.71E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatiles beta	1.29E-09±1.05E-09	U			1.72E-09	µCi/mL	TM	EPA900.0M
2	Trilium	2.94E-05±1.23E-06				5.20E-07	µCi/mL	TM	EPA906.0M
2	Trilium	3.05E-05±1.27E-06				5.30E-07	µCi/mL	TM	EPA906.0M

## WELL BGO 49C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/17/99  
 Depth to water: 45 ft (13.72 m) below TOC  
 Water elevation: 226.1 ft (68.92 m) msl  
 pH: 6.5  
 Sp. conductance: 56 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 124 gal

Time: 14:20  
 Water temperature: 20°C  
 Air temperature: 28.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 17 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoforn	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<7.19	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	7.10E-10±6.10E-10	U			9.20E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatiles beta	6.70E-10±9.80E-10	U			1.65E-09	µCi/mL	TM	EPA900.0M
2	Trilium	3.10E-05±1.25E-06				5.70E-07	µCi/mL	TM	EPA906.0M

## WELL BGO 49C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/14/99  
 Depth to water: 43.8 ft (13.35 m) below TOC  
 Water elevation: 227.3 ft (69.28 m) msl  
 pH: 6.2  
 Sp. conductance: 54 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 117 gal

Time: 9:53  
 Water temperature: 20.6°C  
 Air temperature: 28.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 17 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoforn	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	1.70E-10±5.10E-10	U			9.50E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatiles beta	1.55E-09±1.02E-09	U			1.64E-09	µCi/mL	TM	EPA900.0M
2	Trilium	3.12E-05±1.24E-06				4.70E-07	µCi/mL	TM	EPA906.0M

## WELL BGO 49D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/13/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 5  
 Sp. conductance: 27 µS/cm  
 Turbidity: 13 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 15:30  
 Water temperature: 19°C  
 Air temperature: 22.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Bromoforn	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B

Well BGO 49D collected on 04/13/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Dichloromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Gross alpha	1.60E-09±6.60E-10	J	I		6.10E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.08E-09±1.08E-09	J	I		1.71E-09	µCi/mL	TM	EPA900.0M
1	Tritium	1.92E-05±1.04E-06				5.50E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 49D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/17/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 5.2  
 Sp. conductance: 26 µS/cm  
 Turbidity: 6 NTU  
 Water evacuated from the well prior to sampling: 2 gal  
 The well went dry during purging.

Time: 14:30  
 Water temperature: 19.9°C  
 Air temperature: 29°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<8.37	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	1.93E-09±7.00E-10	J	I		8.90E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	4.80E-10±9.60E-10	J	I		1.64E-09	µCi/mL	TM	EPA900.0M
1	Tritium	1.62E-05±9.10E-07				5.50E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 49D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/14/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 4.6  
 Sp. conductance: 38 µS/cm  
 Turbidity: 6 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 10:08  
 Water temperature: 21.8°C  
 Air temperature: 28.9°C  
 Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<11.4	U	V	CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Gross alpha	1.39E-09±7.10E-10	J	I		8.90E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	8.20E-10±9.60E-10	J	I		1.61E-09	µCi/mL	TM	EPA900.0M
1	Tritium	1.75E-05±9.40E-07				4.70E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 51B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/14/99  
 Depth to water: 59.09 ft (18.01 m) below TOC  
 Water elevation: 230.01 ft (70.11 m) msl  
 pH: 8  
 Sp. conductance: 200 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 50 gal

Time: 9:42  
 Water temperature: 20.4°C  
 Air temperature: 14.9°C  
 Total alkalinity (as CaCO3): 84 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B

Well BGO 51B collected on 04/14/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Dichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Toluene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Gross alpha	9.70E-10±8.70E-10	U		1.39E-09		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	9.40E-10±8.30E-10	U		1.37E-09		µCi/mL	TM	EPA900.0M
0	Tritium	3.00E-08±3.40E-07	U		6.10E-07		µCi/mL	TM	EPA906.0M

## WELL BGO 51B

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/18/99  
 Depth to water: 60.21 ft (18.35 m) below TOC  
 Water elevation: 228.89 ft (69.77 m) msl  
 pH: 8.3  
 Sp. conductance: 199 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 41 gal

Time: 12:42  
 Water temperature: 21.3°C  
 Air temperature: 31.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 92 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VH

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromomethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloroethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.00	U		10.00		µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloromethane	<10.00	U		10.00		µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Dichloromethane	<5.45	U	V	5.00		µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Toluene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Gross alpha	2.09E-09±8.60E-10	U		2.70E-10		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.40E-10±1.05E-09	U		2.70E-10		µCi/mL	TM	EPA900.0M
0	Tritium	4.90E-07±3.10E-07	J	I	4.90E-07		µCi/mL	TM	EPA906.0M

ESH-EMS-990521

## WELL BGO 51B

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/14/99  
 Depth to water: 59.1 ft (18.01 m) below TOC  
 Water elevation: 230 ft (70.1 m) msl  
 pH: 8.5  
 Sp. conductance: 190 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 45 gal

Time: 9:33  
 Water temperature: 23°C  
 Air temperature: 25.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 87 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VH

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<9.33	U	V	CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Gross alpha	1.62E-09±1.05E-09	J	I		1.46E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.84E-09±1.11E-09	J	I		1.78E-09	µCi/mL	TM	EPA900.0M
0	Tritium	6.50E-07±3.10E-07	J	I		4.70E-07	µCi/mL	TM	EPA906.0M

## WELL BGO 51C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 58.21 ft (17.74 m) below TOC  
 Water elevation: 230.89 ft (70.38 m) msl  
 pH: 4.9  
 Sp. conductance: 21 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 47 gal

Time: 9:29  
 Water temperature: 19.9°C  
 Air temperature: 13.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.00	U			10.00	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B

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Second Quarter 1999

Well BGO 51C collected on 04/14/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	1.25E-09±5.50E-10	J	IK	C	5.80E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.01E-09±8.30E-10	J			1.25E-09	µCi/mL	TM	EPA900.0M
0	Tritium	2.58E-06±5.00E-07	J	I		6.20E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 51C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/18/99  
 Depth to water: 59.3 ft (18.07 m) below TOC  
 Water elevation: 229.8 ft (70.04 m) msl  
 pH: 5  
 Sp. conductance: 20 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 34 gal

Time: 12:18  
 Water temperature: 21.3°C  
 Air temperature: 30°C  
 Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<7.76	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	2.40E-10±3.40E-10	U			2.00E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	-1.03E-09±8.90E-10	U			2.60E-10	µCi/mL	TM	EPA900.0M
0	Tritium	2.54E-06±4.40E-07	U			5.10E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 51C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/14/99  
 Depth to water: 58.21 ft (17.74 m) below TOC  
 Water elevation: 230.89 ft (70.38 m) msl  
 pH: 5.2  
 Sp. conductance: 21 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 26 gal

Time: 8:42  
 Water temperature: 22.6°C  
 Air temperature: 22.8°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<11.0	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	3.90E-10±5.20E-10	U			8.70E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.75E-09±1.01E-09	J	I		1.61E-09	µCi/mL	TM	EPA900.0M
0	Tritium	2.81E-06±4.50E-07	J			4.80E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 51D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 54.54 ft (16.62 m) below TOC  
 Water elevation: 234.76 ft (71.56 m) msl  
 pH: 4.8  
 Sp. conductance: 32 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 9:50  
 Water temperature: 19.9°C  
 Air temperature: 15°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B

Well BGO 51D collected on 04/14/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	2.21E-09±7.20E-10	J	K	C	6.20E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	6.35E-09±1.09E-09				1.37E-09	µCi/mL	TM	EPA900.0M
1	Tritium	1.64E-05±9.90E-07				6.30E-07	µCi/mL	TM	EPA906.0M

## WELL BGO 51D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/18/99  
 Depth to water: 54.86 ft (16.72 m) below TOC  
 Water elevation: 234.44 ft (71.46 m) msl  
 pH: 5.2  
 Sp. conductance: 31 µS/cm  
 Turbidity: 3 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<7.27	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	8.30E-10±5.00E-10	J	I		2.00E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.30E-10±9.80E-10	U			2.60E-10	µCi/mL	TM	EPA900.0M
2	Tritium	2.08E-05±1.00E-06				4.90E-07	µCi/mL	TM	EPA906.0M

ESH-EMS-990521

## WELL BGO 51D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/14/99  
 Depth to water: 54.95 ft (16.75 m) below TOC  
 Water elevation: 234.35 ft (71.43 m) msl  
 pH: 5.1  
 Sp. conductance: 29 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 9:45  
 Water temperature: 23.8°C  
 Air temperature: 26.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<10.5	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	1.53E-09±7.40E-10	J	I		9.10E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	5.98E-09±1.23E-09				1.62E-09	µCi/mL	TM	EPA900.0M
2	Tritium	2.45E-05±1.12E-06				4.80E-07	µCi/mL	TM	EPA906.0M

## WELL BGO 52B

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 56.37 ft (17.18 m) below TOC  
 Water elevation: 228.03 ft (69.5 m) msl  
 pH: 8.3  
 Sp. conductance: 83 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 42 gal

Time: 11:23  
 Water temperature: 20.5°C  
 Air temperature: 19.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 38 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VH

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B

B-50

Second Quarter 1999

Well BGO 52B collected on 04/14/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Dichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Toluene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Gross alpha	3.70E-10±4.50E-10	U		7.40E-10		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	7.22E-09±1.09E-09	U		1.32E-09		µCi/mL	TM	EPA900.0M
0	Tritium	1.37E-06±4.30E-07	J	I	6.00E-07		µCi/mL	TM	EPA906.0M

## WELL BGO 52B

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/19/99  
 Depth to water: 57.43 ft (17.5 m) below TOC  
 Water elevation: 226.97 ft (69.18 m) msl  
 pH: 7.7  
 Sp. conductance: 78 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 52 gal

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Gross alpha	3.20E-10±5.10E-10	U		8.90E-10		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	5.27E-09±1.25E-09	U		1.68E-09		µCi/mL	TM	EPA900.0M
0	Tritium	1.38E-06±4.00E-07	U		5.60E-07		µCi/mL	TM	EPA906.0M

ESH-EMS-990521

## WELL BGO 52B

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/14/99  
 Depth to water: 56.39 ft (17.19 m) below TOC  
 Water elevation: 228.01 ft (69.5 m) msl  
 pH: 8.3  
 Sp. conductance: 85 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 42 gal

Time: 11:36  
 Water temperature: 22.5°C  
 Air temperature: 30.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 33 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VH

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<9.84	U	V	CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Gross alpha	9.10E-10±6.90E-10	U			1.00E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	6.56E-09±1.28E-09	U			1.66E-09	µCi/mL	TM	EPA900.0M
0	Tritium	1.51E-06±3.80E-07	U			4.80E-07	µCi/mL	TM	EPA906.0M

## WELL BGO 52C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 55.26 ft (16.84 m) below TOC  
 Water elevation: 229.24 ft (69.87 m) msl  
 pH: 5  
 Sp. conductance: 21 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 29 gal

Time: 11:12  
 Water temperature: 20.1°C  
 Air temperature: 19.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B

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Second Quarter 1999

Well BGO 52C collected on 04/14/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	2.01E-09±8.60E-10	J	IK	C	1.13E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.57E-09±8.50E-10	J	I		1.34E-09	µCi/mL	TM	EPA900.0M
0	Tritium	1.30E-07±3.50E-07	U			6.10E-07	µCi/mL	TM	EPA906.0M

## WELL BGO 52C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/19/99  
 Depth to water: 56.25 ft (17.15 m) below TOC  
 Water elevation: 228.25 ft (69.57 m) msl  
 pH: 5.2  
 Sp. conductance: 20 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 31 gal

Time: 11:34  
 Water temperature: 19.9°C  
 Air temperature: 27.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Gross alpha	4.10E-10±6.50E-10	U			1.13E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.53E-09±8.80E-10	J	I		1.38E-09	µCi/mL	TM	EPA900.0M
0	Tritium	1.40E-07±3.30E-07	U			5.70E-07	µCi/mL	TM	EPA906.0M

ESH-EMS-990521

## WELL BGO 52C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/14/99  
 Depth to water: 55.28 ft (16.85 m) below TOC  
 Water elevation: 229.22 ft (69.87 m) msl  
 pH: 5.2  
 Sp. conductance: 21 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 31 gal

Time: 10:25  
 Water temperature: 22.3°C  
 Air temperature: 27.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<10.1	U	V	CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Gross alpha	5.10E-10±5.50E-10	U			8.90E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.20E-09±9.80E-10	U			1.61E-09	µCi/mL	TM	EPA900.0M
0	Tritium	3.40E-07±2.80E-07	U			4.50E-07	µCi/mL	TM	EPA906.0M

## WELL BGO 52C Replicate

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/14/99  
 Depth to water: 55.28 ft (16.85 m) below TOC  
 Water elevation: 229.22 ft (69.87 m) msl  
 pH: 5.2  
 Sp. conductance: 21 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 31 gal

Time: 10:25  
 Water temperature: 22.3°C  
 Air temperature: 27.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<7.21	U	V	CX	5.00	µg/L	WA	EPA8260B

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Second Quarter 1999

Well BGO 52C collected on 06/14/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Gross alpha	4.00E-10±5.30E-10	U			8.90E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	5.00E-10±9.40E-10	U			1.62E-09	µCi/mL	TM	EPA900.0M
0	Tritium	4.20E-07±2.90E-07	U			4.60E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 52D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 51.78 ft (15.78 m) below TOC  
 Water elevation: 233.02 ft (71.03 m) msl  
 pH: 4.9  
 Sp. conductance: 38 µS/cm  
 Turbidity: 7 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 11:30  
 Water temperature: 20.3°C  
 Air temperature: 20.3°C  
 Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.00	U			10.00	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	3.52E-09±9.30E-10	J	K	C	8.60E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.81E-09±9.80E-10	J			1.38E-09	µCi/mL	TM	EPA900.0M
2	Tritium	2.71E-05±1.24E-06	J			6.30E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 52D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/19/99  
 Depth to water: 51.98 ft (15.84 m) below TOC  
 Water elevation: 232.82 ft (70.96 m) msl  
 pH: 4.8  
 Sp. conductance: 36 µS/cm  
 Turbidity: 4 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 11:40  
 Water temperature: 21.9°C  
 Air temperature: 28.7°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.00	U			10.00	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<6.54	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Gross alpha	2.79E-09±9.60E-10	J	I		9.80E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.67E-09±9.90E-10	J	I		1.56E-09	µCi/mL	TM	EPA900.0M
2	Tritium	3.22E-05±1.26E-06	J			5.70E-07	µCi/mL	TM	EPA906.0M

**WELL BGO 52D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/14/99  
 Depth to water: 52.14 ft (15.89 m) below TOC  
 Water elevation: 232.66 ft (70.92 m) msl  
 pH: 5  
 Sp. conductance: 39 µS/cm  
 Turbidity: 5 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 10:35  
 Water temperature: 22.9°C  
 Air temperature: 28.2°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.00	U			10.00	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B

Well BGO 52D collected on 06/14/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<8.59	U	V	CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Elhylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Gross alpha	1.99E-09±8.20E-10	J	I		9.20E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	5.18E-09±1.20E-09				1.63E-09	µCi/mL	TM	EPA900.0M
2	Trillium	3.11E-05±1.26E-06				4.90E-07	µCi/mL	TM	EPA906.0M

## WELL BRD 1

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/08/99  
 Depth to water: 34.5 ft (10.52 m) below TOC  
 Water elevation: 171.3 ft (52.21 m) msl  
 pH: 4.8  
 Sp. conductance: 26 µS/cm  
 Turbidity: 8 NTU  
 Water evacuated from the well prior to sampling: 60 gal

Time: 10:10  
 Water temperature: 19.8°C  
 Air temperature: 31.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<17.5	U	V		146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
1	Iron, total recoverable	164	J	I		74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	8.20	J	I		47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.460	J	I		2.70	µg/L	WA	EPA6010B
0	Manganese, total recoverable	16.8				7.80	µg/L	WA	EPA7470A
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Gross alpha	1.62E-09±7.70E-10	J	I		9.70E-10	µCi/mL	TM	EPA900.0M
0	Gross alpha	1.22E-09±7.10E-10	J	I		9.70E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	9.20E-10±1.04E-09	U			1.74E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	9.50E-10±1.04E-09	U			1.74E-09	µCi/mL	TM	EPA900.0M

## WELL BRD 2

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/08/99  
 Depth to water: 30 ft (9.14 m) below TOC  
 Water elevation: 177.3 ft (54.04 m) msl  
 pH: 5.3  
 Sp. conductance: 29 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 57 gal

Time: 8:42  
 Water temperature: 19.4°C  
 Air temperature: 23.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

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Well BRD 2 collected on 06/08/99 (cont.)

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<27.7	U	V		146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Iron, total recoverable	70.6	J	I		74.0	µg/L	WA	EPA6010B
1	Lead, total recoverable	40.9	J	I		47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.330	J	I		2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Gross alpha	5.20E-10±5.90E-10	U			9.60E-10	µCi/mL	TM	EPA900.0M

## WELL BRD 4

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/08/99  
 Depth to water: 27.9 ft (8.5 m) below TOC  
 Water elevation: 170 ft (51.82 m) msl  
 pH: 4.7  
 Sp. conductance: 28 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 97 gal

Time: 8:11  
 Water temperature: 18.9°C  
 Air temperature: 21.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<146	U			146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Iron, total recoverable	10.7	J	I		74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.270	J	I		2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Gross alpha	7.50E-10±6.30E-10	U			9.70E-10	µCi/mL	TM	EPA900.0M

## WELL BRD 5D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/08/99  
 Depth to water: 35.65 ft (10.87 m) below TOC  
 Water elevation: 169.35 ft (51.62 m) msl  
 pH: 5.5  
 Sp. conductance: 28 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 46 gal

Time: 9:45  
 Water temperature: 20.5°C  
 Air temperature: 29.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 6 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<146	U			146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B

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Well BRD 5D collected on 06/08/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Iron, total recoverable	59.9	J	I		74.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	2.40	J	I		2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Gross alpha	5.20E-10±5.90E-10	U			9.70E-10	µCi/mL	TM	EPA900.0M

**WELL BRR 3D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/07/99  
 Depth to water: 76.38 ft (23.28 m) below TOC  
 Water elevation: 215.32 ft (65.63 m) msl  
 pH: 4.7  
 Sp. conductance: 145 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 46 gal

Time: 9:50  
 Water temperature: 21.7°C  
 Air temperature: 34.4°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	74.6	J	I		146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Iron, total recoverable	60.6	J	I		74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	5.90	J	I		47.0	µg/L	WA	EPA6010B
1	Manganese, total recoverable	34.2				7.80	µg/L	WA	EPA6010B
2	Nitrate-nitrite as nitrogen	12.600				1,000	µg/L	WA	EPA353.2
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Total organic carbon	763				1,000	µg/L	WA	EPA9060

**WELL BRR 5D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/07/99  
 Depth to water: 80.13 ft (24.42 m) below TOC  
 Water elevation: 214.47 ft (65.37 m) msl  
 pH: 5.3  
 Sp. conductance: 96 µS/cm  
 Turbidity: 13 NTU  
 Water evacuated from the well prior to sampling: 2 gal  
 The well went dry during purging.

Time: 13:20  
 Water temperature: 22.5°C  
 Air temperature: 36.6°C  
 Total alkalinity (as CaCO3): 8 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	109	J	I		146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
2	Iron, total recoverable	527				74.0	µg/L	WA	EPA6010B
1	Lead, total recoverable	27.8	J	I		47.0	µg/L	WA	EPA6010B
1	Manganese, total recoverable	46.0				7.80	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Total organic carbon	1,130				1,000	µg/L	WA	EPA9060

**WELL BRR 6D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/07/99  
 Depth to water: 88.87 ft (27.09 m) below TOC  
 Water elevation: 207.03 ft (63.1 m) msl  
 pH: 6  
 Sp. conductance: 60 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 15 gal

Time: 12:50  
 Water temperature: 21.3°C  
 Air temperature: 36.2°C  
 Total alkalinity (as CaCO3): 41 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Aluminum, total recoverable	38.9	J	I		146	µg/L	WA	EPA6010B

**ESH-EMS-990521**

Well BRR 6D collected on 06/07/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	7.80				1.80	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Calcium, total recoverable	9,750				471	µg/L	WA	EPA6010B
0	Iron, total recoverable	20.0	J	I		74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Magnesium, total recoverable	588				74.0	µg/L	WA	EPA6010B
0	Potassium, total recoverable	520				187	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sodium, total recoverable	2,240				285	µg/L	WA	EPA6010B
0	Total organic carbon	942				1,000	µg/L	WA	EPA9060

**WELL CBR 1D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/08/99  
 Depth to water: 49.36 ft (15.05 m) below TOC  
 Water elevation: 251.24 ft (76.58 m) msl  
 pH: 5.3  
 Sp. conductance: 28 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 38 gal

Time: 13:11  
 Water temperature: 22.8°C  
 Air temperature: 38°C  
 Total alkalinity (as CaCO3): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<146	U			146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	24.3				1.80	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Calcium, total recoverable	414	J	I		471	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloride	2,570				210	µg/L	WA	EPA9056
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Iron, total recoverable	33.5	J	I		74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	5.20	J	I		47.0	µg/L	WA	EPA6010B
0	Magnesium, total recoverable	300				74.0	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Potassium, total recoverable	962				187	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sodium, total recoverable	2,480				285	µg/L	WA	EPA6010B
0	Sulfate	476				340	µg/L	WA	EPA9056
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Total dissolved solids	23,000	J	I		50,000	µg/L	WA	EPA160.1
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Gross alpha	1.46E-09±7.20E-10	J	I		8.90E-10	µCi/mL	TM	EPA900.0M
0	Gross alpha	1.85E-09±7.70E-10	J	I		8.80E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.47E-09±1.07E-09	U			1.74E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.01E-09±1.04E-09	U			1.74E-09	µCi/mL	TM	EPA900.0M
0	Tritium	3.07E-06±4.80E-07				5.20E-07	µCi/mL	TM	EPA906.0M
0	Tritium	2.80E-06±4.60E-07				5.20E-07	µCi/mL	TM	EPA906.0M

**WELL CBR 2D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/08/99  
 Depth to water: 50.28 ft (15.33 m) below TOC  
 Water elevation: 250.62 ft (76.39 m) msl  
 pH: 4.8  
 Sp. conductance: 30 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 56 gal

Time: 12:21  
 Water temperature: 22.6°C  
 Air temperature: 32.3°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Aluminum, total recoverable	46.3	J	I		146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	34.4				1.80	µg/L	WA	EPA6010B

Well CBR 2D collected on 06/08/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0 Calcium, total recoverable	299	J	I		471	µg/L	WA	EPA6010B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Chloride	3,420				210	µg/L	WA	EPA9056
0 Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Iron, total recoverable	149				74.0	µg/L	WA	EPA6010B
0 Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0 Magnesium, total recoverable	367				74.0	µg/L	WA	EPA6010B
0 Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0 Potassium, total recoverable	1,060				187	µg/L	WA	EPA6010B
0 Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0 Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0 Sodium, total recoverable	2,710				285	µg/L	WA	EPA6010B
0 Sulfate	554				340	µg/L	WA	EPA9056
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Total dissolved solids	29,000	J	I		50,000	µg/L	WA	EPA160.1
0 Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Gross alpha	9.60E-10±6.50E-10	J	I		9.20E-10	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	6.00E-10±1.03E-09	J			1.75E-09	µCi/mL	TM	EPA900.0M
0 Tritium	3.93E-06±5.10E-07				5.10E-07	µCi/mL	TM	EPA906.0M

**WELL CCB 2**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/08/99  
 Depth to water: 47.3 ft (14.42 m) below TOC  
 Water elevation: 223.1 ft (68 m) msl  
 pH: 4.6  
 Sp. conductance: 22 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 130 gal

Time: 9:09  
 Water temperature: 23.2°C  
 Air temperature: 28.2°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<146	U			146	µg/L	WA	EPA6010B
0 Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0 Barium, total recoverable	16.2				1.80	µg/L	WA	EPA6010B
0 Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0 Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0 Calcium, total recoverable	374	J	I		471	µg/L	WA	EPA6010B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Chromium, total recoverable	<0.890	JU	I	4	7.00	µg/L	WA	EPA6010B
0 cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Iron, total recoverable	17.1	J	I		74.0	µg/L	WA	EPA6010B
0 Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0 Lithium, total recoverable	0.390	J	I		2.70	µg/L	WA	EPA6010B
0 Magnesium, total recoverable	340				74.0	µg/L	WA	EPA6010B
0 Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0 Potassium, total recoverable	629				187	µg/L	WA	EPA6010B
0 Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0 Sodium, total recoverable	1,210				285	µg/L	WA	EPA6010B
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Total dissolved solids	14,000	J	I		50,000	µg/L	WA	EPA160.1
0 Total organic carbon	340	J	I		1,000	µg/L	WA	EPA9056
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Gross alpha	7.40E-10±6.80E-10	U			1.04E-09	µCi/mL	TM	EPA900.0M
0 Gross alpha	1.09E-09±7.40E-10	J	I		1.04E-09	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	-5.30E-10±1.15E-09	U			2.09E-09	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	-7.00E-11±1.18E-09	U			2.09E-09	µCi/mL	TM	EPA900.0M
0 Tritium	5.28E-06±5.70E-07				5.30E-07	µCi/mL	TM	EPA906.0M
0 Tritium	5.02E-06±5.60E-07				5.20E-07	µCi/mL	TM	EPA906.0M

**WELL CDB 1**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/08/99  
 Depth to water: 75.1 ft (22.89 m) below TOC  
 Water elevation: 213.8 ft (65.17 m) msl  
 pH: 4.8  
 Sp. conductance: 38 µS/cm  
 Turbidity: 14 NTU  
 Water evacuated from the well prior to sampling: 2 gal

Time: 14:35  
 Water temperature: 27.4°C  
 Air temperature: 34.3°C  
 Total alkalinity (as CaCO3): 11 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	154				146	µg/L	WA	EPA6010B
0 Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0 Boron, total recoverable	26.9	J	I		266	µg/L	WA	EPA6010B
0 Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
2 Iron, total recoverable	541				74.0	µg/L	WA	EPA6010B
2 Lead, total recoverable	137				47.0	µg/L	WA	EPA6010B
0 Lithium, total recoverable	0.450	J	I		2.70	µg/L	WA	EPA6010B
0 Manganese, total recoverable	15.7				7.80	µg/L	WA	EPA6010B
0 Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B

**WELL CMP 8**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/08/99  
 Depth to water: 25.74 ft (7.85 m) below TOC  
 Water elevation: 202.86 ft (61.83 m) msl  
 pH: 5.1  
 Sp. conductance: 22 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 58 gal

Time: 11:45  
 Water temperature: 19.5°C  
 Air temperature: 34.4°C  
 Total alkalinity (as CaCO3): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<65.6	U	V		146	µg/L	WA	EPA6010B
0 Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0 Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0 Iron, total recoverable	108				74.0	µg/L	WA	EPA6010B
0 Lead, total recoverable	13.9	J	I		47.0	µg/L	WA	EPA6010B
0 Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0 Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0 Nonvolatile beta	-1.80E-10±9.70E-10	U			1.73E-09	µCi/mL	TM	EPA900.0M

**WELL CMP 10D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/08/99  
 Depth to water: 90.52 ft (27.59 m) below TOC  
 Water elevation: 220.88 ft (67.33 m) msl  
 pH: 5.1  
 Sp. conductance: 20 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 4 gal

Time: 11:00  
 Water temperature: 20.7°C  
 Air temperature: 32.2°C  
 Total alkalinity (as CaCO3): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<146	U			146	µg/L	WA	EPA6010B
0 Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0 Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0 Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0 Calcium, total recoverable	460	J	I		471	µg/L	WA	EPA6010B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Chloride	2,610				210	µg/L	WA	EPA9056
0 Chloroform	2,630				210	µg/L	WA	EPA9056
0 Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Chromium, total recoverable	1.60	J	I		7.00	µg/L	WA	EPA6010B
0 cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Fluoride	<27.4	U	V		40.0	µg/L	WA	EPA340.2
0 Iron, total recoverable	56.0	J	I		74.0	µg/L	WA	EPA6010B
0 Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B

Well CMP 10D collected on 06/08/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Lithium, total recoverable	3.20			2.70		µg/L	WA	EPA6010B
0	Magnesium, total recoverable	177			74.0		µg/L	WA	EPA6010B
1	Manganese, total recoverable	25.5			7.80		µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U		0.700		µg/L	WA	EPA7470A
0	Nitrate-nitrite as nitrogen	118			20.0		µg/L	WA	EPA353.2
0	Potassium, total recoverable	1,250			187		µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U		66.0		µg/L	WA	EPA6010B
0	Silica, total recoverable	11,900			1,350		µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U		5.00		µg/L	WA	EPA6010B
0	Sodium, total recoverable	1,530			285		µg/L	WA	EPA6010B
0	Sulfate	854			340		µg/L	WA	EPA9056
0	Sulfate	851			340		µg/L	WA	EPA9056
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Total dissolved solids	19,000	J	I	50,000		µg/L	WA	EPA160.1
0	Total dissolved solids	19,000	J	I	50,000		µg/L	WA	EPA160.1
0	Total organic carbon	294	J	I	1,000		µg/L	WA	EPA9060
0	Total organic halogens	<120	J		120		µg/L	WA	EPA9020B
0	Total phosphates (as P)	7.87	J	I	67.0		µg/L	WA	EPA365.2
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Nonvolatile beta	1.54E-09±1.10E-09	J		1.79E-09		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.14E-09±1.11E-09	J	I	1.62E-09		µCi/mL	TM	EPA900.0M
0	Tritium	1.73E-06±4.20E-07	U		5.50E-07		µCi/mL	TM	EPA906.0M
0	Tritium	1.64E-06±4.10E-07	U		5.50E-07		µCi/mL	TM	EPA906.0M

**WELL CRP 5D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/08/99  
 Depth to water: 66.92 ft (20.4 m) below TOC  
 Water elevation: 209.58 ft (64.88 m) msl  
 pH: 5.4  
 Sp. conductance: 30 µS/cm  
 Turbidity: 6 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 15:05  
 Water temperature: 22.2°C  
 Air temperature: 34.6°C  
 Total alkalinity (as CaCO3): 4 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<38.1	U	V	146		µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U		40.0		µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U		4.70		µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Iron, total recoverable	144			74.0		µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U		47.0		µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U		66.0		µg/L	WA	EPA6010B
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Total organic halogens	<120	U		120		µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	WA	EPA8021B
1	Trichloroethylene	3.27			1.00		µg/L	WA	EPA8021B

**WELL CRP 8D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/08/99  
 Depth to water: 42.82 ft (13.05 m) below TOC  
 Water elevation: 205.58 ft (62.66 m) msl  
 pH: 4.9  
 Sp. conductance: 28 µS/cm  
 Turbidity: 3 NTU  
 Water evacuated from the well prior to sampling: 132 gal

Time: 10:31  
 Water temperature: 21.4°C  
 Air temperature: 33.5°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	61.6	J	I	146		µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U		40.0		µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Lead, total recoverable	<47.0	U		47.0		µg/L	WA	EPA6010B

**ESH-EMS-990521**

Well CRP 8D collected on 06/08/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Selenium, total recoverable	<66.0	U		66.0		µg/L	WA	EPA6010B
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Total organic halogens	<120	U		120		µg/L	WA	EPA9020B
0	Total organic halogens	<120	U		120		µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B

**WELL CSB 1A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/08/99  
 Depth to water: 80.72 ft (24.6 m) below TOC  
 Water elevation: 211.08 ft (64.34 m) msl  
 pH: 5.9  
 Sp. conductance: 96 µS/cm  
 Turbidity: 10 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 10:15  
 Water temperature: 25.8°C  
 Air temperature: 28.7°C  
 Total alkalinity (as CaCO3): 32 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	476			146		µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U		40.0		µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U		4.70		µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
2	Iron, total recoverable	820			74.0		µg/L	WA	EPA6010B
1	Lead, total recoverable	43.8	J	I	47.0		µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U		66.0		µg/L	WA	EPA6010B
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Total organic halogens	<120	U		120		µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B

**WELL CSB 2A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/08/99  
 Depth to water: 74.29 ft (22.64 m) below TOC  
 Water elevation: 210.31 ft (64.1 m) msl  
 pH: 5.5  
 Sp. conductance: 47 µS/cm  
 Turbidity: 15 NTU  
 Water evacuated from the well prior to sampling: 7 gal  
 The well went dry during purging.

Time: 13:00  
 Water temperature: 29.9°C  
 Air temperature: 36.8°C  
 Total alkalinity (as CaCO3): 9 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	444			146		µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U		40.0		µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U		4.70		µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00	U		5.00		µg/L	WA	EPA8021B
0	Chloroform	<5.00	U		5.00		µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8021B
2	Iron, total recoverable	704			74.0		µg/L	WA	EPA6010B
2	Lead, total recoverable	103			47.0		µg/L	WA	EPA6010B
0	Manganese, total recoverable	9.00			7.80		µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U		66.0		µg/L	WA	EPA6010B
0	Tetrachloroethylene	<25.0	U		25.0		µg/L	WA	EPA8021B
2	Total organic halogens	191			120		µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8021B
2	Trichloroethylene	168			5.00		µg/L	WA	EPA8021B

## WELL CSB 3A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/08/99  
 Depth to water: 75.06 ft (22.88 m) below TOC  
 Water elevation: 209.84 ft (63.96 m) msl  
 pH: 5.8  
 Sp. conductance: 39 µS/cm  
 Turbidity: 6 NTU  
 Water evacuated from the well prior to sampling: 57 gal

Time: 11:36  
 Water temperature: 24°C  
 Air temperature: 29.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 8 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Aluminum, total recoverable	44.5	J	I		146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<10.0	JU	L	I	10.0	µg/L	WA	EPA8021B
0	Chloroform	<10.0	JU	L	I	10.0	µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<10.0	JU	L	I	10.0	µg/L	WA	EPA8021B
1	Iron, total recoverable	181				74.0	µg/L	WA	EPA6010B
2	Lead, total recoverable	104				47.0	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Tetrachloroethylene	<10.0	JU	L	I	10.0	µg/L	WA	EPA8021B
0	1,1,1-Trichloroethane	<10.0	JU	L	I	10.0	µg/L	WA	EPA8021B
2	Trichloroethylene	254				10.0	µg/L	WA	EPA8021B

## WELL CSB 4A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/08/99  
 Depth to water: 75.21 ft (22.92 m) below TOC  
 Water elevation: 209.89 ft (63.98 m) msl  
 pH: 5  
 Sp. conductance: 18 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 47 gal

Time: 12:07  
 Water temperature: 25.1°C  
 Air temperature: 32.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<146	U			146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Iron, total recoverable	<42.7	U	V		74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	17.4	J	I		47.0	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Total organic halogens	42.6	J	I		120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
2	Trichloroethylene	48.3				1.00	µg/L	WA	EPA8021B

## WELL CSB 5A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/08/99  
 Depth to water: 72.95 ft (22.24 m) below TOC  
 Water elevation: 209.85 ft (63.96 m) msl  
 pH: 6.3  
 Sp. conductance: 67 µS/cm  
 Turbidity: 6 NTU  
 Water evacuated from the well prior to sampling: 54 gal

Time: 9:25  
 Water temperature: 24.9°C  
 Air temperature: 25.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 17 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	93.3	J	I		146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B

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Well CSB 5A collected on 06/08/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Iron, total recoverable	67.4	J	I		74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	9.40	J	I		47.0	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B

## WELL CSB 6A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/08/99  
 Depth to water: 75.99 ft (23.16 m) below TOC  
 Water elevation: 210.81 ft (64.26 m) msl  
 pH: 5.6  
 Sp. conductance: 70 µS/cm  
 Turbidity: 3 NTU  
 Water evacuated from the well prior to sampling: 50 gal

Time: 13:37  
 Water temperature: 22.9°C  
 Air temperature: 35.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 16 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	225				146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chromium, total recoverable	4.90	J	I		7.00	µg/L	WA	EPA6010B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
2	Iron, total recoverable	544				74.0	µg/L	WA	EPA6010B
1	Lead, total recoverable	34.7	J	I		47.0	µg/L	WA	EPA6010B
0	Manganese, total recoverable	12.4				7.80	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B

## WELL CSB 7D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/09/99  
 Depth to water: 74.31 ft (22.65 m) below TOC  
 Water elevation: 212.89 ft (64.89 m) msl  
 pH: 5  
 Sp. conductance: 53 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 24 gal

Time: 12:36  
 Water temperature: 21.2°C  
 Air temperature: 24.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acenaphthene	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Acenaphthylene	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Acetone	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Aldrin	<0.0202	U			0.0202	µg/L	GE	EPA8081A
1	Aluminum, total recoverable	29.1	J	I		50.0	µg/L	GE	EPA6010B
0	Anthracene	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Antimony, total recoverable	<10.0	U			10.0	µg/L	GE	EPA6010B
0	Arsenic, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Barium, total recoverable	9.66				5.00	µg/L	GE	EPA6010B
0	Benzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	alpha-Benzene hexachloride	<0.0202	U			0.0202	µg/L	GE	EPA8081A
0	beta-Benzene hexachloride	<0.0202	U			0.0202	µg/L	GE	EPA8081A
0	delta-Benzene hexachloride	<0.0202	U			0.0202	µg/L	GE	EPA8081A
0	Benzidine	<50.0	U			50.0	µg/L	GE	EPA8270C
0	Benzo(a)anthracene	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Benzo(b)fluoranthene	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Benzo(k)fluoranthene	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Benzoic acid	<20.0	U			20.0	µg/L	GE	EPA8270C
0	Benzo(g,h,i)perylene	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Benzo(a)pyrene	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Benzyl alcohol	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Beryllium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Bis(2-chloroethoxy) methane	<10.0	U			10.0	µg/L	GE	EPA8270C

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ANALYTICAL RESULTS

Well CSB 7D collected on 04/09/99 (cont.)

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists various chemical analytes and their corresponding results and parameters.

Well CSB 7D collected on 04/09/99 (cont.)

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Continues the list of chemical analytes and their results from the previous table.

Well CSB 7D collected on 04/09/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Zinc-65	-3.32E-10±4.13E-09	U			7.49E-09	µCi/mL	GP	EPIA-013

## WELL CSB 8D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/09/99  
 Depth to water: 69.25 ft (21.11 m) below TOC  
 Water elevation: 210.65 ft (64.21 m) msl  
 pH: 5  
 Sp. conductance: 45 µS/cm  
 Turbidity: 10 NTU  
 Water evacuated from the well prior to sampling: 90 gal

Time: 9:20  
 Water temperature: 22.1°C  
 Air temperature: 21.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 4 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acenaphthene	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 Acenaphthene	<10.0	U			10.0	µg/L	WA	EPA8270C
0 Acenaphthene	<20.0	U			20.0	µg/L	WA	EPA8270C
0 Acenaphthylene	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 Acenaphthylene	<10.0	U			10.0	µg/L	WA	EPA8270C
0 Acenaphthylene	<20.0	U			20.0	µg/L	WA	EPA8270C
0 Acetone	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0 Acetone	<50.0	U			50.0	µg/L	WA	EPA8260B
0 Acetone	<50.0	U			50.0	µg/L	WA	EPA8260B
0 Aldrin	<0.0200	U			0.0200	µg/L	GE	EPA8081A
0 Aldrin	<0.0520	U			0.0520	µg/L	WA	EPA8081A
2 Aluminum, total recoverable	393				50.0	µg/L	GE	EPA6010B
2 Aluminum, total recoverable	228				146	µg/L	WA	EPA6010B
0 Anthracene	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 Anthracene	<10.0	U			10.0	µg/L	WA	EPA8270C
0 Anthracene	<20.0	U			20.0	µg/L	WA	EPA8270C
0 Antimony, total recoverable	<10.0	U			10.0	µg/L	GE	EPA6010B
0 Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0 Arsenic, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0 Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0 Barium, total recoverable	13.8				5.00	µg/L	GE	EPA6010B
0 Barium, total recoverable	13.0				1.80	µg/L	WA	EPA6010B
0 Benzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Benzene	<25.0	U			25.0	µg/L	WA	EPA8260B
0 Benzene	<25.0	U			25.0	µg/L	WA	EPA8260B
0 alpha-Benzene hexachloride	<0.0200	U			0.0200	µg/L	GE	EPA8081A
0 alpha-Benzene hexachloride	<0.0520	U			0.0520	µg/L	WA	EPA8081A
0 beta-Benzene hexachloride	<0.0200	U			0.0200	µg/L	WA	EPA8081A
0 beta-Benzene hexachloride	<0.0520	U			0.0520	µg/L	GE	EPA8081A
0 delta-Benzene hexachloride	<0.0200	U			0.0200	µg/L	WA	EPA8081A
0 delta-Benzene hexachloride	<0.0520	U			0.0520	µg/L	WA	EPA8081A
0 Benzidine	<50.0	JU	Q		50.0	µg/L	GE	EPA8270C
0 Benzo(a)anthracene	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 Benzo(a)anthracene	<10.0	U			10.0	µg/L	WA	EPA8270C
0 Benzo(a)anthracene	<20.0	U			20.0	µg/L	WA	EPA8270C
0 Benzo(b)fluoranthene	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 Benzo(b)fluoranthene	<10.0	U			10.0	µg/L	WA	EPA8270C
0 Benzo(b)fluoranthene	<20.0	U			20.0	µg/L	WA	EPA8270C
0 Benzo(k)fluoranthene	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 Benzo(k)fluoranthene	<10.0	U			10.0	µg/L	WA	EPA8270C
0 Benzo(k)fluoranthene	<20.0	U			20.0	µg/L	WA	EPA8270C
0 Benzoic acid	<20.0	JU	Q		20.0	µg/L	GE	EPA8270C
0 Benzo(g,h,i)perylene	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 Benzo(g,h,i)perylene	<10.0	U			10.0	µg/L	WA	EPA8270C
0 Benzo(g,h,i)perylene	<20.0	U			20.0	µg/L	WA	EPA8270C
0 Benzo(a)pyrene	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 Benzo(a)pyrene	<10.0	U			10.0	µg/L	WA	EPA8270C
0 Benzo(a)pyrene	<20.0	U			20.0	µg/L	WA	EPA8270C
0 Benzyl alcohol	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 Beryllium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0 Beryllium, total recoverable	<1.60	U			1.60	µg/L	WA	EPA6010B
0 Bis(2-chloroethoxy) methane	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 Bis(2-chloroethoxy) methane	<10.0	U			10.0	µg/L	WA	EPA8270C
0 Bis(2-chloroethoxy) methane	<20.0	U			20.0	µg/L	WA	EPA8270C
0 Bis(2-chloroethyl) ether	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 Bis(2-chloroethyl) ether	<10.0	U			10.0	µg/L	WA	EPA8270C
0 Bis(2-chloroethyl) ether	<20.0	U			20.0	µg/L	WA	EPA8270C
0 Bis(2-chloroisopropyl) ether	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 Bis(2-chloroisopropyl) ether	<10.0	U			10.0	µg/L	WA	EPA8270C

ESH-EMS-990521

Well CSB 8D collected on 04/09/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Bis(2-chloroisopropyl) ether	<20.0	U			20.0	µg/L	WA	EPA8270C
0 Bis(2-ethylhexyl) phthalate	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 Bis(2-ethylhexyl) phthalate	<10.0	U			10.0	µg/L	WA	EPA8270C
0 Bis(2-ethylhexyl) phthalate	<20.0	U			20.0	µg/L	WA	EPA8270C
0 Bromodichloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Bromodichloromethane	<25.0	U			25.0	µg/L	WA	EPA8260B
0 Bromodichloromethane	<25.0	U			25.0	µg/L	WA	EPA8260B
0 Bromoform	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Bromoform	<25.0	U			25.0	µg/L	WA	EPA8260B
0 Bromoform	<25.0	U			25.0	µg/L	WA	EPA8260B
0 Bromomethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Bromomethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0 Bromomethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0 Bromomethane	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 4-Bromophenyl phenyl ether	<10.0	U			10.0	µg/L	WA	EPA8270C
0 4-Bromophenyl phenyl ether	<20.0	U			20.0	µg/L	WA	EPA8270C
0 4-Bromophenyl phenyl ether	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 Butylbenzyl phthalate	<10.0	U			10.0	µg/L	WA	EPA8270C
0 Butylbenzyl phthalate	<20.0	U			20.0	µg/L	WA	EPA8270C
0 Cadmium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0 Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0 Calcium, total recoverable	2.060				100	µg/L	GE	EPA6010B
0 Calcium, total recoverable	2.560				471	µg/L	WA	EPA6010B
0 Carbazole	<10.0	U			10.0	µg/L	WA	EPA8270C
0 Carbon disulfide	<20.0	U			20.0	µg/L	WA	EPA8270C
0 Carbon disulfide	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0 Carbon disulfide	<25.0	U			25.0	µg/L	WA	EPA8260B
0 Carbon disulfide	<25.0	U			25.0	µg/L	WA	EPA8260B
0 Carbon tetrachloride	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Carbon tetrachloride	<25.0	U			25.0	µg/L	WA	EPA8260B
0 Carbon tetrachloride	<25.0	U			25.0	µg/L	WA	EPA8260B
0 alpha-Chlordane	<0.0200	U			0.0200	µg/L	GE	EPA8081A
0 alpha-Chlordane	<0.0520	U			0.0520	µg/L	WA	EPA8081A
0 gamma-Chlordane	<0.0200	U			0.0200	µg/L	GE	EPA8081A
0 gamma-Chlordane	<0.0520	U			0.0520	µg/L	WA	EPA8081A
0 4-Chloroaniline	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 4-Chloroaniline	<10.0	U			10.0	µg/L	WA	EPA8270C
0 4-Chloroaniline	<20.0	U			20.0	µg/L	WA	EPA8270C
0 Chlorobenzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Chlorobenzene	<25.0	U			25.0	µg/L	WA	EPA8260B
0 Chlorobenzene	<25.0	U			25.0	µg/L	WA	EPA8260B
0 4-Chloro-m-cresol	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 4-Chloro-m-cresol	<10.0	U			10.0	µg/L	WA	EPA8270C
0 4-Chloro-m-cresol	<20.0	U			20.0	µg/L	WA	EPA8270C
0 Chloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Chloroethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0 Chloroethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0 Chloroethane (Vinyl chloride)	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Chloroethane (Vinyl chloride)	<50.0	U			50.0	µg/L	WA	EPA8260B
0 Chloroethane (Vinyl chloride)	<50.0	U			50.0	µg/L	WA	EPA8260B
0 Chloroform	1.41	J	L	O	1.00	µg/L	GE	EPA8260B
0 Chloroform	<25.0	U			25.0	µg/L	WA	EPA8260B
0 Chloroform	<25.0	U			25.0	µg/L	WA	EPA8260B
0 Chloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Chloromethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0 Chloromethane	<50.0	U			50.0	µg/L	WA	EPA8260B
0 2-Chloronaphthalene	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 2-Chloronaphthalene	<10.0	U			10.0	µg/L	WA	EPA8270C
0 2-Chloronaphthalene	<20.0	U			20.0	µg/L	WA	EPA8270C
0 2-Chlorophenol	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 2-Chlorophenol	<10.0	U			10.0	µg/L	WA	EPA8270C
0 2-Chlorophenol	<20.0	U			20.0	µg/L	WA	EPA8270C
0 4-Chlorophenyl phenyl ether	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 4-Chlorophenyl phenyl ether	<10.0	U			10.0	µg/L	WA	EPA8270C
0 4-Chlorophenyl phenyl ether	<20.0	U			20.0	µg/L	WA	EPA8270C
0 Chromium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0 Chromium, total recoverable	<7.00	U			7.00	µg/L	WA	EPA6010B
0 Chrysene	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 Chrysene	<10.0	U			10.0	µg/L	WA	EPA8270C
0 Chrysene	<10.0	U			10.0	µg/L	WA	EPA8270C
0 Cobalt, total recoverable	1.06	J	V		5.00	µg/L	GE	EPA6010B
0 Cobalt, total recoverable	<1.40	J	V		4.50	µg/L	WA	EPA6010B
0 Copper, total recoverable	<1.31	JU	I	V	5.00	µg/L	GE	EPA6010B
0 Copper, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0 m/p-Cresol	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 o-Cresol (2-Methylphenol)	<10.0	JU	Q		10.0	µg/L	GE	EPA8270C
0 o-Cresol (2-Methylphenol)	<10.0	U			10.0	µg/L	WA	EPA8270C
0 o-Cresol (2-Methylphenol)	<20.0	U			20.0	µg/L	WA	EPA8270C

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Second Quarter 1999



ANALYTICAL RESULTS

Well CSB 8D collected on 04/09/99 (cont.)

Well CSB 8D collected on 04/09/99 (cont.)

Table with columns: F Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method, F Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Contains detailed analytical data for various compounds like Naphthalene, PCBs, and metals.

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Second Quarter 1999

Well CSB 8D collected on 04/09/99 (cont.)

Table with 10 columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists various chemical analytes such as Manganese-54, Neptunium-239, Potassium-40, etc., with their respective results and units.

Well CSB 8D collected on 04/09/99 (cont.)

Table with 10 columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists various chemical analytes such as Benzyl alcohol, Beryllium, Bis(2-chloroethoxy) methane, etc., with their respective results and units.

WELL CSB 8D Replicate

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/09/99
Depth to water: 69.25 ft (21.11 m) below TOC
Water elevation: 210.65 ft (64.21 m) msl
pH: 5
Sp. conductance: 45 µS/cm
Turbidity: 10 NTU
Water evacuated from the well prior to sampling: 90 gal

Time: 9:20
Water temperature: 22.1°C
Air temperature: 21.9°C
Total alkalinity (as CaCO3): 4 mg/L
Phenolphthalein alkalinity: 0 mg/L
Field Qualifier(s): V

ANALYSES

Table with 10 columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists various chemical analytes such as Acenaphthene, Acenaphthylene, Acetone, Aldrin, Aluminum, Anthracene, etc., with their respective results and units.

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Well CSL 23D collected on 04/13/99 (cont.)

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Contains detailed chemical analysis results for Well CSL 23D.

WELL CSL 23D

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/28/99
Depth to water: 39.52 ft (12.05 m) below TOC
Water elevation: 245.28 ft (74.76 m) msl
pH: 5
Sp. conductance: 34 µS/cm
Turbidity: 4 NTU
Water evacuated from the well prior to sampling: 12 gal
Time: 11:46
Water temperature: 18.5°C
Air temperature: 22.9°C
Total alkalinity (as CaCO3): 0 mg/L
Phenolphthalein alkalinity: 0 mg/L
Field Qualifier(s): V

ANALYSES

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Shows analysis for Chromium, hexavalent.

WELL CSL 24D

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/13/99
Depth to water: 38.56 ft (11.75 m) below TOC
Water elevation: 245.34 ft (75.09 m) msl
pH: 4.6
Sp. conductance: 18 µS/cm
Turbidity: 0 NTU
Water evacuated from the well prior to sampling: 26 gal
Time: 11:05
Water temperature: 19°C
Air temperature: 21.7°C
Total alkalinity (as CaCO3): 0 mg/L
Phenolphthalein alkalinity: 0 mg/L
Field Qualifier(s): V

ANALYSES

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Contains detailed chemical analysis results for Well CSL 24D.





Well CSL 25D collected on 04/14/99 (cont.)

Table with columns: F Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists various chemical analytes and their corresponding results and units.

Well CSL 26D collected on 04/14/99 (cont.)

Table with columns: F Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists various chemical analytes and their corresponding results and units.

WELL CSL 26D

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99
Depth to water: 38.69 ft (11.79 m) below TOC
Water elevation: 246.11 ft (75.02 m) msl
pH: 4.4
Sp. conductance: 30 µS/cm
Turbidity: 2 NTU
Water evacuated from the well prior to sampling: 18 gal

Time: 8:57
Water temperature: 18.9°C
Air temperature: 16.1°C
Total alkalinity (as CaCO3): 1 mg/L
Phenolphthalein alkalinity: 0 mg/L
Field Qualifier(s):

ANALYSES

Table with columns: F Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists detailed analytical results for various substances.





Well CSL 26D collected on 04/14/99 (cont.)

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Rows include various chemical analytes such as Vinyl acetate, Xylenes, Zinc, Actinium, Antimony, Barium, Cobalt, Europium, Lead, Manganese, Neptunium, Potassium, Promethium, Ruthenium, Sodium, Tin, and Yttrium.

Well CSL 26D collected on 04/14/99 (cont.)

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Rows include Zinc-65, Zirconium-95, and Zirconium-95.

WELL CSL 26D Replicate

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99
Depth to water: 38.69 ft (11.79 m) below TOC
Water elevation: 246.11 ft (75.02 m) msl
pH: 4.4
Sp. conductance: 30 µS/cm
Turbidity: 2 NTU
Water evacuated from the well prior to sampling: 18 gal

Time: 8:57
Water temperature: 18.9°C
Air temperature: 16.1°C
Total alkalinity (as CaCO3): 1 mg/L
Phenolphthalein alkalinity: 0 mg/L
Field Qualifier(s): V

ANALYSES

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Rows include Acenaphthene, Acenaphthylene, Acetone, Aldrin, Aluminum, Anthracene, Antimony, Arsenic, Barium, Benzene, alpha-Benzene hexachloride, beta-Benzene hexachloride, delta-Benzene hexachloride, Benzidine, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzolic acid, Benzo(g,h,i)perylene, Benzo(a)pyrene, Benzyl alcohol, Beryllium, Bis(2-chloroethoxy) methane, Bis(2-chloroethyl) ether, Bis(2-chloroisopropyl) ether, Bis(2-ethylhexyl) phthalate, Bromodichloromethane, Bromoform, Bromomethane, 4-Bromophenyl phenyl ether, Butylbenzyl phthalate, Cadmium, Calcium, Carbon disulfide, Carbon tetrachloride, alpha-Chlorodane, gamma-Chlorodane, 4-Chloroaniline, Chlorobenzene, 4-Chloro-m-cresol, Chloroethane, Chloroethene (Vinyl chloride), Chloroform, Chloromethane, 2-Chloronaphthalene, 2-Chlorophenol, 4-Chlorophenyl phenyl ether, Chromium, Chrysene, Cobalt, Copper, m/p-Cresol, o-Cresol (2-Methylphenol), Cyanide, p,p'-DDD, and p,p'-DDE.

Well CSL 26D collected on 04/14/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 p,p'-DDT	<0.0412	U			0.0412	µg/L	GE	EPA8081A
0 Dibenzo(a,h)anthracene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Dibenzofuran	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Dibromochloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Di-n-butyl phthalate	<10.0	U			10.0	µg/L	GE	EPA8270C
0 1,2-Dichlorobenzene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 1,3-Dichlorobenzene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 1,4-Dichlorobenzene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 3,3'-Dichlorobenzidine	<20.0	U			20.0	µg/L	GE	EPA8270C
0 1,1-Dichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 1,2-Dichloroethane	<1.00	JU	L	L	1.00	µg/L	GE	EPA8260B
0 1,1-Dichloroethylene	<1.00	JU	L	L	1.00	µg/L	GE	EPA8260B
0 1,2-Dichloroethylene	<2.00	JU	L	L	2.00	µg/L	GE	EPA8260B
0 Dichloromethane	<5.00	JU	L	L	5.00	µg/L	GE	EPA8260B
0 2,4-Dichlorophenol	<10.0	U			10.0	µg/L	GE	EPA8270C
0 1,2-Dichloropropane	<1.00	JU	L	L	1.00	µg/L	GE	EPA8260B
0 cis-1,3-Dichloropropene	<1.00	JU	L	L	1.00	µg/L	GE	EPA8260B
0 trans-1,3-Dichloropropene	<1.00	JU	L	L	1.00	µg/L	GE	EPA8260B
0 Dieldrin	<0.0412	U			0.0412	µg/L	GE	EPA8081A
0 Diethyl phthalate	<10.0	U			10.0	µg/L	GE	EPA8270C
0 2,4-Dimethyl phenol	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Dimethyl phthalate	<10.0	U			10.0	µg/L	GE	EPA8270C
0 2,4-Dinitrophenol	<20.0	U			20.0	µg/L	GE	EPA8270C
0 2,4-Dinitrotoluene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 2,6-Dinitrotoluene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Di-n-octyl phthalate	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Endosulfan sulfate	<0.0412	U			0.0412	µg/L	GE	EPA8081A
0 Endosulfan I	<0.0206	U			0.0206	µg/L	GE	EPA8081A
0 Endosulfan II	<0.0412	U			0.0412	µg/L	GE	EPA8081A
0 Endrin	<0.0412	U			0.0412	µg/L	GE	EPA8081A
0 Endrin aldehyde	<0.0412	U			0.0412	µg/L	GE	EPA8081A
0 Endrin ketone	<0.0412	U			0.0412	µg/L	GE	EPA8081A
0 Ethylbenzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Fluoranthene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Fluorene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Heptachlor	<0.0206	U			0.0206	µg/L	GE	EPA8081A
0 Heptachlor epoxide	<0.0206	U			0.0206	µg/L	GE	EPA8081A
0 Hexachlorobenzene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Hexachlorobutadiene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Hexachlorocyclopentadiene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Hexachloroethane	<10.0	U			10.0	µg/L	GE	EPA8270C
0 2-Hexanone	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0 Indeno(1,2,3-c,d)pyrene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Iron, total recoverable	<50.0	U			50.0	µg/L	GE	EPA6010B
0 Isophorone	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Lead, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0 Lindane	<0.0206	U			0.0206	µg/L	GE	EPA8081A
0 Magnesium, total recoverable	752	U			10.0	µg/L	GE	EPA6010B
0 Manganese, total recoverable	18.3	U			10.0	µg/L	GE	EPA6010B
0 Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0 Methoxychlor	<0.206	U			0.206	µg/L	GE	EPA8081A
0 2-Methyl-4,6-dinitrophenol	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Methyl ethyl ketone	<10.0	JU	L	O	10.0	µg/L	GE	EPA8260B
0 Methyl isobutyl ketone	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0 2-Methylnaphthalene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Naphthalene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Nickel, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0 m-Nitroaniline	<10.0	U			10.0	µg/L	GE	EPA8270C
0 o-Nitroaniline	<10.0	U			10.0	µg/L	GE	EPA8270C
0 p-Nitroaniline	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Nitrobenzene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 2-Nitrophenol	<10.0	U			10.0	µg/L	GE	EPA8270C
0 4-Nitrophenol	<10.0	U			10.0	µg/L	GE	EPA8270C
0 N-Nitrosodiphenylamine	<10.0	U			10.0	µg/L	GE	EPA8270C
0 N-Nitrosodipropylamine	<10.0	U			10.0	µg/L	GE	EPA8270C
0 PCB 1016	<0.105	U			0.105	µg/L	GE	EPA8082
0 PCB 1221	<0.105	U			0.105	µg/L	GE	EPA8082
0 PCB 1232	<0.105	U			0.105	µg/L	GE	EPA8082
0 PCB 1242	<0.105	U			0.105	µg/L	GE	EPA8082
0 PCB 1248	<0.105	U			0.105	µg/L	GE	EPA8082
0 PCB 1254	<0.105	U			0.105	µg/L	GE	EPA8082
0 PCB 1260	<0.105	U			0.105	µg/L	GE	EPA8082
0 Pentachlorophenol	<20.0	U			20.0	µg/L	GE	EPA8270C
0 Phenanthrene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Phenol	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Potassium, total recoverable	465	U			100	µg/L	GE	EPA6010B
0 Pyrene	<10.0	U			10.0	µg/L	GE	EPA8270C

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Well CSL 26D collected on 04/14/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Selenium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0 Silver, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0 Sodium, total recoverable	2,680	U			500	µg/L	GE	EPA6010B
0 Styrene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 1,1,2,2-Tetrachloroethane	<1.00	JU	L	L	1.00	µg/L	GE	EPA8260B
0 Tetrachloroethylene	<1.00	JU	L	L	1.00	µg/L	GE	EPA8260B
0 Thallium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0 Toluene	4.04	J	L	O	5.00	µg/L	GE	EPA8260B
0 Toxaphene	<1.03	U			1.03	µg/L	GE	EPA8081A
0 1,2,4-Trichlorobenzene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 1,1,1-Trichloroethane	<1.00	JU	L	L	1.00	µg/L	GE	EPA8260B
0 1,1,2-Trichloroethane	<1.00	JU	L	L	1.00	µg/L	GE	EPA8260B
0 Trichloroethylene	<1.00	JU	L	L	1.00	µg/L	GE	EPA8260B
0 2,4,5-Trichlorophenol	<10.0	U			10.0	µg/L	GE	EPA8270C
0 2,4,6-Trichlorophenol	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Vanadium, total recoverable	<5.00	JU	L	L	5.00	µg/L	GE	EPA6010B
0 Vinyl acetate	<5.00	JU	L	L	5.00	µg/L	GE	EPA8260B
0 Xylenes	<2.00	JU	L	O	2.00	µg/L	GE	EPA8260B
0 Zinc, total recoverable	3.07	J	L	L	5.00	µg/L	GE	EPA6010B
0 Actinium-228	7.50E-09±1.54E-08	U			1.33E-08	µCi/mL	GP	EPIA-013
0 Antimony-125	6.77E-09±4.82E-09	U			9.68E-09	µCi/mL	GP	EPIA-013
0 Cerium-144	1.12E-10±1.33E-08	U			2.31E-08	µCi/mL	GP	EPIA-013
0 Cesium-134	9.06E-10±1.75E-09	U			3.00E-09	µCi/mL	GP	EPIA-013
0 Cesium-137	-1.12E-09±1.72E-09	U			2.87E-09	µCi/mL	GP	EPIA-013
0 Cobalt-57	-8.89E-10±1.70E-09	U			2.88E-09	µCi/mL	GP	EPIA-013
0 Cobalt-60	-3.83E-10±2.04E-09	U			3.74E-09	µCi/mL	GP	EPIA-013
0 Europium-152	-1.54E-10±6.51E-09	U			9.78E-09	µCi/mL	GP	EPIA-013
0 Europium-154	6.86E-10±5.44E-09	U			1.05E-08	µCi/mL	GP	EPIA-013
0 Europium-155	-5.16E-09±6.62E-09	U			1.11E-08	µCi/mL	GP	EPIA-013
0 Gross alpha	1.04E-09±4.21E-10	J			3.59E-10	µCi/mL	GP	EPIA-001
0 Lead-212	5.67E-09±6.57E-09	U			7.48E-09	µCi/mL	GP	EPIA-013
0 Manganese-54	-3.05E-10±1.85E-09	J			3.25E-09	µCi/mL	GP	EPIA-013
0 Nonvolatile beta	1.16E-09±5.66E-10	J	IK	C	1.09E-09	µCi/mL	GP	EPIA-001
0 Potassium-40	3.19E-09±1.89E-08	U			3.59E-08	µCi/mL	GP	EPIA-013
0 Promethium-144	1.22E-09±1.52E-09	U			3.13E-09	µCi/mL	GP	EPIA-013
0 Promethium-146	-1.33E-09±2.25E-09	U			3.87E-09	µCi/mL	GP	EPIA-013
0 Ruthenium-106	-3.31E-09±1.92E-08	U			2.97E-08	µCi/mL	GP	EPIA-013
0 Sodium-22	2.24E-10±1.94E-09	U			3.75E-09	µCi/mL	GP	EPIA-013
0 Yttrium-88	3.35E-10±2.17E-09	U			4.26E-09	µCi/mL	GP	EPIA-013
0 Zinc-65	2.96E-09±4.35E-09	U			8.06E-09	µCi/mL	GP	EPIA-013

## WELL CSL 27D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/15/99  
Depth to water: 40.9 ft (12.47 m) below TOC  
Water elevation: 245.5 ft (74.83 m) msl  
pH: 4.8  
Sp. conductance: 22 µS/cm  
Turbidity: 9 NTU  
Water evacuated from the well prior to sampling: 4 gal  
The well went dry during purging.

Time: 9:15  
Water temperature: 25.4°C  
Air temperature: 19°C  
Total alkalinity (as CaCO<sub>3</sub>): 3 mg/L  
Phenolphthalein alkalinity: 0 mg/L  
Field Qualifier(s): VX

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acenaphthene	<10.0	JU	L		10.0	µg/L	GE	EPA8270C
0 Acenaphthylene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Acetone	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0 Aldrin	<0.0200	U			0.0200	µg/L	GE	EPA8081A
2 Aluminum, total recoverable	63.9	U			50.0	µg/L	GE	EPA6010B
0 Anthracene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Antimony, total recoverable	<10.0	U			10.0	µg/L	GE	EPA6010B
0 Arsenic, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0 Barium, total recoverable	10.5	U			5.00	µg/L	GE	EPA6010B
0 Benzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 alpha-Benzene hexachloride	<0.0200	U			0.0200	µg/L	GE	EPA8081A
0 beta-Benzene hexachloride	<0.0200	U			0.0200	µg/L	GE	EPA8081A
0 delta-Benzene hexachloride	<0.0200	U			0.0200	µg/L	GE	EPA8081A
0 Benzene	<50.0	U			50.0	µg/L	GE	EPA8270C
0 Benzidine	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Benzo(a)anthracene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Benzo(b)fluoranthene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Benzo(k)fluoranthene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Benzoic acid	<20.0	U			20.0	µg/L	GE	EPA8270C
0 Benzo(g,h,i)perylene	<10.0	U			10.0	µg/L	GE	EPA8270C
0 Benzo(a)pyrene	<10.0	U			10.0	µg/L	GE	EPA8270C

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Well CSL 27D collected on 04/15/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Lead-212	1.61E-11±4.95E-09	U			5.36E-09	µCi/mL	GP	EPIA-013
0	Lead-212	5.68E-09±7.25E-09	U			7.25E-09	µCi/mL	GP	EPIA-013
0	Manganese-54	2.03E-09±1.57E-09	U			3.12E-09	µCi/mL	GP	EPIA-013
0	Manganese-54	2.56E-09±1.95E-09	U			4.06E-09	µCi/mL	GP	EPIA-013
0	Nonvolatile beta	1.27E-09±6.44E-10	J	IK	C	1.24E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.24E-09±6.55E-10	U			1.26E-09	µCi/mL	GP	EPIA-001
0	Potassium-40	9.06E-09±3.66E-08	U			3.66E-08	µCi/mL	GP	EPIA-013
0	Potassium-40	1.26E-10±3.76E-08	U			3.80E-08	µCi/mL	GP	EPIA-013
0	Promethium-144	2.01E-10±1.46E-09	U			2.64E-09	µCi/mL	GP	EPIA-013
0	Promethium-144	-5.34E-11±2.05E-09	U			3.59E-09	µCi/mL	GP	EPIA-013
0	Promethium-146	-3.15E-10±1.85E-09	U			3.31E-09	µCi/mL	GP	EPIA-013
0	Promethium-146	8.26E-10±2.44E-09	U			4.49E-09	µCi/mL	GP	EPIA-013
0	Ruthenium-106	2.97E-09±1.37E-08	U			2.51E-08	µCi/mL	GP	EPIA-013
0	Ruthenium-106	2.88E-09±1.97E-08	U			3.53E-08	µCi/mL	GP	EPIA-013
0	Sodium-22	-8.34E-10±1.50E-09	U			2.63E-09	µCi/mL	GP	EPIA-013
0	Sodium-22	-5.90E-10±2.04E-09	U			3.62E-09	µCi/mL	GP	EPIA-013
0	Yttrium-88	-2.19E-10±1.98E-09	U			3.66E-09	µCi/mL	GP	EPIA-013
0	Yttrium-88	-9.83E-10±2.49E-09	U			4.47E-09	µCi/mL	GP	EPIA-013
0	Zinc-65	-1.80E-09±3.44E-09	U			5.68E-09	µCi/mL	GP	EPIA-013
0	Zinc-65	1.23E-09±4.43E-09	U			8.44E-09	µCi/mL	GP	EPIA-013

## WELL CSR 2D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/04/99  
 Depth to water: 43.85 ft (13.37 m) below TOC  
 Water elevation: 257.25 ft (78.41 m) msl  
 pH: 6.1  
 Sp. conductance: 44 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 23 gal

Time: 10:14  
 Water temperature: 21.5°C  
 Air temperature: 26.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 9 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<69.4	U	V		146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	37.7	U			1.80	µg/L	WA	EPA6010B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Calcium, total recoverable	4,050	U			471	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	JU	Q		1.00	µg/L	WA	EPA8021B
0	Chloride	3,210	U			210	µg/L	WA	EPA9056
0	Chloroform	<1.00	JU	Q		1.00	µg/L	WA	EPA8021B
0	Chromium, total recoverable	<0.800	JU	I	4	7.00	µg/L	WA	EPA6010B
0	cis-1,2-Dichloroethylene	<1.00	JU	Q		1.00	µg/L	WA	EPA8021B
0	Fluoride	<44.8	U	V		40.0	µg/L	WA	EPA340.2
0	Iron, total recoverable	<74.0	U			74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	1.40	J	I		2.70	µg/L	WA	EPA6010B
0	Magnesium, total recoverable	275	U			74.0	µg/L	WA	EPA6010B
0	Manganese, total recoverable	1.80	J	I		7.80	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nitrate-nitrite as nitrogen	1,120	U			100	µg/L	WA	EPA353.2
0	Nitrate-nitrite as nitrogen	1,120	U			100	µg/L	WA	EPA353.2
0	Potassium, total recoverable	1,090	U			187	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silica, total recoverable	13,100	U			1,350	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sodium, total recoverable	2,840	U			285	µg/L	WA	EPA6010B
0	Sulfate	518	U			340	µg/L	WA	EPA9056
0	Tetrachloroethylene	<1.00	JU	Q		1.00	µg/L	WA	EPA8021B
0	Total dissolved solids	34,000	J	I		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	211	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	Total phosphates (as P)	20.9	J	I		67.0	µg/L	WA	EPA365.2
0	Total phosphates (as P)	19.3	J	I		67.0	µg/L	WA	EPA365.2
0	1,1,1-Trichloroethane	<1.00	JU	Q		1.00	µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	JU	Q		1.00	µg/L	WA	EPA8021B
0	Gross alpha	7.40E-10±4.20E-10	J	I		1.70E-10	µCi/mL	TM	EPA900.0M
0	Gross alpha	5.60E-10±3.70E-10	J	I		1.70E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.82E-09±1.03E-09	J	I		1.52E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.88E-09±9.70E-10	J	I		1.52E-09	µCi/mL	TM	EPA900.0M
0	Tritium	2.27E-06±4.20E-07	U			5.00E-07	µCi/mL	TM	EPA906.0M
0	Tritium	2.35E-06±4.20E-07	U			5.00E-07	µCi/mL	TM	EPA906.0M

ESH-EMS-990521

## WELL CSR 5D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/04/99  
 Depth to water: 17.61 ft (5.37 m) below TOC  
 Water elevation: 255.49 ft (77.87 m) msl  
 pH: 4.5  
 Sp. conductance: 330 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 13 gal

Time: 8:51  
 Water temperature: 21.8°C  
 Air temperature: 22.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	869				146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	9.80	J	I		40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	46.4	U			1.80	µg/L	WA	EPA6010B
0	Boron, total recoverable	65.0	J	I		266	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Calcium, total recoverable	31,900	U			471	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloride	9,430	U			210	µg/L	WA	EPA9056
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chromium, total recoverable	<7.00	U			7.00	µg/L	WA	EPA6010B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Fluoride	249	U			40.0	µg/L	WA	EPA340.2
0	Iron, total recoverable	16.9	J	I		74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	22.8	J	I		47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.940	J	I		2.70	µg/L	WA	EPA6010B
0	Magnesium, total recoverable	9,440	U			74.0	µg/L	WA	EPA6010B
2	Manganese, total recoverable	148	U			7.80	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nitrate-nitrite as nitrogen	175	U			20.0	µg/L	WA	EPA353.2
0	Potassium, total recoverable	3,030	U			187	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silica, total recoverable	13,000	U			1,350	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sodium, total recoverable	7,050	U			285	µg/L	WA	EPA6010B
0	Sulfate	125,000	U			340	µg/L	WA	EPA9056
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Total dissolved solids	246,000	U			50,000	µg/L	WA	EPA160.1
0	Total organic carbon	4,470	U			1,000	µg/L	WA	EPA9060
0	Total organic halogens	44.3	J	I		240	µg/L	WA	EPA9020B
0	Total phosphates (as P)	14.4	J	I		67.0	µg/L	WA	EPA365.2
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
1	Gross alpha	8.27E-09±1.99E-09	U			3.40E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	8.36E-09±1.42E-09	U			1.72E-09	µCi/mL	TM	EPA900.0M
0	Tritium	2.97E-06±4.70E-07	U			5.20E-07	µCi/mL	TM	EPA906.0M

## WELL CSR 6D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/04/99  
 Depth to water: 25 ft (7.62 m) below TOC  
 Water elevation: 255.7 ft (77.94 m) msl  
 pH: 4.9  
 Sp. conductance: 23 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 19 gal

Time: 9:28  
 Water temperature: 22.3°C  
 Air temperature: 24.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<146	U			146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	26.8	U			1.80	µg/L	WA	EPA6010B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Calcium, total recoverable	297	J	I		471	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloride	3,320	U			210	µg/L	WA	EPA9056

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## ANALYTICAL RESULTS

Well DBP 2 collected on 04/13/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Benzo(a)anthracene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Benzo(b)fluoranthene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Benzo(k)fluoranthene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Benzo(g,h,i)perylene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Benzo(a)pyrene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Benzyl alcohol	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Bis(2-chloroethoxy) methane	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Bis(2-chloroethyl) ether	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Bis(2-chloroisopropyl) ether	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Bis(2-ethylhexyl) phthalate	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Bromodichloromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	4-Bromophenyl phenyl ether	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Butylbenzyl phthalate	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Carbon tetrachloride	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	4-Chloroaniline	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Chlorobenzene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Chlorobenzilate	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Chloroethane	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	2-Chloronaphthalene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	4-Chlorophenyl phenyl ether	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Chromium, total recoverable	<7.00	U			7.00	µg/L	WA	EPA6010B
0	Chrysene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Diallate	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Dibenz(a,h)anthracene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Dibenzofuran	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Dibromochloromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Di-n-butyl phthalate	<10.4	U			10.4	µg/L	WA	EPA8270C
0	1,2-Dichlorobenzene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	1,3-Dichlorobenzene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	1,4-Dichlorobenzene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	3,3'-Dichlorobenzidine	<10.4	U			10.4	µg/L	WA	EPA8270C
0	1,1-Dichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Diethyl phthalate	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Dimethyl phthalate	<10.4	U			10.4	µg/L	WA	EPA8270C
0	p-Dimethylaminoazobenzene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	7,12-Dimethylbenz(a)anthracene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	3,3'-Dimethylbenzidine	<10.4	U			10.4	µg/L	WA	EPA8270C
0	a,a-Dimethylphenethylamine	<10.4	U			10.4	µg/L	WA	EPA8270C
0	1,3-Dinitrobenzene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	2,4-Dinitrotoluene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	2,6-Dinitrotoluene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Di-n-octyl phthalate	<10.4	U			10.4	µg/L	WA	EPA8270C
0	1,4-Dioxane	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Diphenylamine	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Endrin	<0.103	U			0.103	µg/L	WA	EPA8081A
0	Ethyl methacrylate	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Ethyl methanesulfonate	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Ethylbenzene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Fluoranthene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Fluorene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Hexachlorobenzene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Hexachlorobutadiene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Hexachlorocyclopentadiene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Hexachloroethane	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Hexachlorophene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Hexachloropropene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Indeno(1,2,3-c,d)pyrene	<10.4	U			10.4	µg/L	WA	EPA8270C
1	Iron, total recoverable	272	U			74.0	µg/L	WA	EPA6010B
0	Isophorone	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Isosafrole	<10.4	U			10.4	µg/L	WA	EPA8270C
2	Manganese, total recoverable	456	U			7.80	µg/L	WA	EPA6010B
0	Methapyrilene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Methyl methacrylate	<10.4	U			10.4	µg/L	WA	EPA8270C

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Well DBP 2 collected on 04/13/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Methyl methanesulfonate	<10.4	U			10.4	µg/L	WA	EPA8270C
0	3-Methylcholanthrene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	2-Methylnaphthalene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Naphthalene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	1,4-Naphthoquinone	<10.4	U			10.4	µg/L	WA	EPA8270C
0	1-Naphthylamine	<10.4	U			10.4	µg/L	WA	EPA8270C
0	2-Naphthylamine	<10.4	U			10.4	µg/L	WA	EPA8270C
0	m-Nitroaniline	<26.0	U			26.0	µg/L	WA	EPA8270C
0	o-Nitroaniline	<26.0	U			26.0	µg/L	WA	EPA8270C
0	p-Nitroaniline	<26.0	U			26.0	µg/L	WA	EPA8270C
0	Nitrobenzene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	4-Nitroquinoline-1-oxide	<20.8	U			20.8	µg/L	WA	EPA8270C
0	N-Nitrosodi-n-butylamine	<10.4	U			10.4	µg/L	WA	EPA8270C
0	N-Nitrosodiethylamine	<10.4	U			10.4	µg/L	WA	EPA8270C
0	N-Nitrosodimethylamine	<10.4	U			10.4	µg/L	WA	EPA8270C
0	N-Nitrosodiphenylamine	<10.4	U			10.4	µg/L	WA	EPA8270C
0	N-Nitrosodipropylamine	<10.4	U			10.4	µg/L	WA	EPA8270C
0	N-Nitrosomethylethylamine	<10.4	U			10.4	µg/L	WA	EPA8270C
0	N-Nitrosomorpholine	<10.4	U			10.4	µg/L	WA	EPA8270C
0	N-Nitrosopyrrolidine	<52.0	U			52.0	µg/L	WA	EPA8270C
0	5-Nitro-o-toluidine	<10.4	U			10.4	µg/L	WA	EPA8270C
0	PCB 1260	<1.03	U			1.03	µg/L	WA	EPA8082
0	PCB 1260	<2.00	U			2.00	µg/L	WA	EPA8082
0	PCB 1260	<2.27	U			2.27	µg/L	WA	EPA8082
0	Pentachlorobenzene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Pentachloroethane	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Pentachloronitrobenzene	<52.0	U			52.0	µg/L	WA	EPA8270C
0	Phenacetin	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Phenanthrene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	p-Phenylenediamine	<10.4	U			10.4	µg/L	WA	EPA8270C
0	2-Picoline	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Pronamid	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Pyrene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Pyridine	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Safrole	<10.4	U			10.4	µg/L	WA	EPA8270C
0	1,2,4,5-Tetrachlorobenzene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	1,1,2,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	o-Toluidine	<10.4	U			10.4	µg/L	WA	EPA8270C
0	1,2,4-Trichlorobenzene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	1,1,1-Trichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,3,5-Trinitrobenzene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Xylenes	1.09	U			5.00	µg/L	WA	EPA8260B
1	Radium, total alpha-emitting	4.30E-09±1.28E-09	J	I		9.50E-10	µCi/mL	TM	EPA903.0M
0	Tritium	1.28E-06±4.10E-07	J	I		5.80E-07	µCi/mL	TM	EPA906.0M

## WELL DBP 2

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/09/99  
 Depth to water: 12.05 ft (3.67 m) below TOC  
 Water elevation: 114.25 ft (34.82 m) msf  
 pH: 3.8  
 Sp. conductance: 160 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 78 gal

Time: 11:12  
 Water temperature: 19.7°C  
 Air temperature: 29.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	1,050				146	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
1	Iron, total recoverable	287				74.0	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Sulfate	43,400				340	µg/L	WA	EPA9056

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## WELL DBP 3

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/13/99  
 Depth to water: 6.28 ft (1.91 m) below TOC  
 Water elevation: 122.02 ft (37.19 m) msl  
 pH: 5  
 Sp. conductance: 60 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 70 gal

Time: 10:10  
 Water temperature: 16.1°C  
 Air temperature: 17.5°C  
 Total alkalinity (as CaCO3): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

Well DBP 3 collected on 04/13/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	2,6-Dinitrotoluene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Di-n-octyl phthalate	<10.6	U			10.6	µg/L	WA	EPA8270C
0	1,4-Dioxane	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Diphenylamine	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Endrin	<0.102	U			0.102	µg/L	WA	EPA8081A
0	Ethyl methacrylate	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Ethyl methanesulfonate	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Ethylbenzene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Fluoranthene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Fluorene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Hexachlorobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Hexachlorobutadiene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Hexachlorocyclopentadiene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Hexachloroethane	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Hexachlorophene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Hexachloropropene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Indeno(1,2,3-c,d)pyrene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Iron, total recoverable	107				74.0	µg/L	WA	EPA6010B
0	Isophorone	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Isosafrole	<10.6	U			10.6	µg/L	WA	EPA8270C
1	Manganese, total recoverable	30.3				7.80	µg/L	WA	EPA6010B
0	Methacrylate	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Methyl methacrylate	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Methyl methanesulfonate	<10.6	U			10.6	µg/L	WA	EPA8270C
0	3-Methylcholanthrene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	2-Methylnaphthalene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Naphthalene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	1,4-Naphthoquinone	<10.6	U			10.6	µg/L	WA	EPA8270C
0	1-Naphthylamine	<10.6	U			10.6	µg/L	WA	EPA8270C
0	2-Naphthylamine	<10.6	U			10.6	µg/L	WA	EPA8270C
0	m-Nitroaniline	<26.5	U			26.5	µg/L	WA	EPA8270C
0	o-Nitroaniline	<26.5	U			26.5	µg/L	WA	EPA8270C
0	p-Nitroaniline	<26.5	U			26.5	µg/L	WA	EPA8270C
0	Nitrobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	4-Nitroquinoline-1-oxide	<21.2	U		X	21.2	µg/L	WA	EPA8270C
0	N-Nitrosodi-n-butylamine	<10.6	U			10.6	µg/L	WA	EPA8270C
0	N-Nitrosodiethylamine	<10.6	U			10.6	µg/L	WA	EPA8270C
0	N-Nitrosodimethylamine	<10.6	U			10.6	µg/L	WA	EPA8270C
0	N-Nitrosodiphenylamine	<10.6	U			10.6	µg/L	WA	EPA8270C
0	N-Nitrosodipropylamine	<10.6	U			10.6	µg/L	WA	EPA8270C
0	N-Nitrosomethyl ethylamine	<10.6	U			10.6	µg/L	WA	EPA8270C
0	N-Nitrosomorpholine	<10.6	U			10.6	µg/L	WA	EPA8270C
0	N-Nitrosopiperidine	<53.0	U			53.0	µg/L	WA	EPA8270C
0	N-Nitrosopyrrolidine	<10.6	U			10.6	µg/L	WA	EPA8270C
0	5-Nitro-o-toluidine	<10.6	U			10.6	µg/L	WA	EPA8270C
0	PCB 1260	<1.02	U			1.02	µg/L	WA	EPA8082
0	Pentachlorobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Pentachloroethane	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Pentachloronitrobenzene	<53.0	U			53.0	µg/L	WA	EPA8270C
0	Phenacetin	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Phenanthrene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	p-Phenylenediamine	<10.6	U			10.6	µg/L	WA	EPA8270C
0	2-Picoline	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Pronamid	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Pyrene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Pyridine	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Safrole	<10.6	U			10.6	µg/L	WA	EPA8270C
0	1,2,4,5-Tetrachlorobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	1,1,2,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	o-Toluidine	<10.6	U			10.6	µg/L	WA	EPA8270C
0	1,2,4-Trichlorobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	1,1,1-Trichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,3,5-Trinitrobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Xylenes	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Radium, total alpha-emitting	4.40E-10±5.70E-10	U			9.50E-10	µCi/mL	TM	EPA903.0M
0	Tritium	3.50E-07±3.30E-07	U			5.50E-07	µCi/mL	TM	EPA906.0M

**WELL DBP 3**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/09/99  
 Depth to water: 10.15 ft (3.09 m) below TOC  
 Water elevation: 118.15 ft (36.01 m) msl  
 pH: 5  
 Sp. conductance: 60 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 52 gal

Time: 10:03  
 Water temperature: 20.6°C  
 Air temperature: 28.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 4 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<146	U			146	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
1	Iron, total recoverable	151				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Nitrate-nitrite as nitrogen	299				20.0	µg/L	WA	EPA353.2
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Sulfate	6,460				340	µg/L	WA	EPA9056
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B

**WELL DBP 4**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/13/99  
 Depth to water: 7.4 ft (2.26 m) below TOC  
 Water elevation: 118.8 ft (36.21 m) msl  
 pH: 4.1  
 Sp. conductance: 94 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 70 gal

Time: 9:08  
 Water temperature: 16.2°C  
 Air temperature: 12.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Hepachlorodibenzo-p-dioxins	<1.00E-03	U			1.00E-03	ng/L	GE	EPA8280A
0	Hepachlorodibenzo-p-dioxins	<1.00E-03	U			1.00E-03	ng/L	GE	EPA8280A
0	Hexachlorodibenzo-p-dioxins	<1.00E-03	U			1.00E-03	ng/L	GE	EPA8280A
0	Hexachlorodibenzo-p-dioxins	<1.00E-03	U			1.00E-03	ng/L	GE	EPA8280A
0	Octachlorodibenzo-p-dioxin	<3.70	U			10.1	ng/L	WA	EPA8280A
0	Pentachlorodibenzo-p-dioxins	<1.00E-03	U			1.00E-03	ng/L	GE	EPA8280A
0	Pentachlorodibenzo-p-dioxins	<1.00E-03	U			1.00E-03	ng/L	GE	EPA8280A
0	Tetrachlorodibenzo-p-dioxins	<1.00E-03	U			1.00E-03	ng/L	GE	EPA8280A
0	Tetrachlorodibenzo-p-dioxins	<1.00E-03	U			1.00E-03	ng/L	GE	EPA8280A
0	Acenaphthene	<10.4	U			10.4	µg/L	GE	EPA8270C
0	Acenaphthene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Acenaphthylene	<10.4	U			10.4	µg/L	GE	EPA8270C
0	Acenaphthylene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Acetophenone	<10.4	U			10.4	µg/L	GE	EPA8270C
0	Acetophenone	<10.6	U			10.6	µg/L	WA	EPA8270C
0	2-Acetylaminofluorene	<10.4	U			10.4	µg/L	GE	EPA8270C
0	2-Acetylaminofluorene	<10.6	U			10.6	µg/L	WA	EPA8270C
2	Aluminum, total recoverable	387				50.0	µg/L	GE	EPA6010B
2	Aluminum, total recoverable	435				146	µg/L	WA	EPA6010B
0	4-Aminobiphenyl	<10.4	U			10.4	µg/L	GE	EPA8270C
0	4-Aminobiphenyl	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Aniline	<10.4	U			10.4	µg/L	GE	EPA8270C
0	Aniline	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Anthracene	<10.4	U			10.4	µg/L	GE	EPA8270C
0	Anthracene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Aramite	<10.4	U			10.4	µg/L	GE	EPA8270C
0	Aramite	<21.2	U			21.2	µg/L	WA	EPA8270C
0	Arsenic, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Benzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Benzene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	beta-Benzene hexachloride	<0.0204	U			0.0204	µg/L	GE	EPA8081A
0	Benzo(a)anthracene	<10.4	U			10.4	µg/L	GE	EPA8270C
0	Benzo(a)anthracene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Benzo(b)fluoranthene	<10.4	U			10.4	µg/L	GE	EPA8270C
0	Benzo(b)fluoranthene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Benzo(k)fluoranthene	<10.4	U			10.4	µg/L	GE	EPA8270C
0	Benzo(k)fluoranthene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Benzo(g,h,i)perylene	<10.4	U			10.4	µg/L	GE	EPA8270C
0	Benzo(g,h,i)perylene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Benzo(a)pyrene	<10.4	U			10.4	µg/L	GE	EPA8270C

ESH-EMS-990521

**Well DBP 4 collected on 04/13/99 (cont.)**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzo(a)pyrene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Benzy alcohol	<10.4	U			10.4	µg/L	GE	EPA8270C
0	Benzy alcohol	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Bis(2-chloroethoxy) methane	<10.4	U			10.4	µg/L	GE	EPA8270C
0	Bis(2-chloroethoxy) methane	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Bis(2-chloroethyl) ether	<10.4	U			10.4	µg/L	GE	EPA8270C
0	Bis(2-chloroethyl) ether	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Bis(2-chloroisopropyl) ether	<10.4	U			10.4	µg/L	GE	EPA8270C
0	Bis(2-chloroisopropyl) ether	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Bis(2-ethylhexyl) phthalate	<10.4	JU		X	10.4	µg/L	GE	EPA8270C
0	Bis(2-ethylhexyl) phthalate	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Bromodichloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Bromomethane	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	4-Bromophenyl phenyl ether	<10.4	U			10.4	µg/L	GE	EPA8270C
0	4-Bromophenyl phenyl ether	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Bulylbenzyl phthalate	<10.4	U			10.4	µg/L	GE	EPA8270C
0	Bulylbenzyl phthalate	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Carbon tetrachloride	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Carbon tetrachloride	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	4-Chloroaniline	<10.4	U			10.4	µg/L	GE	EPA8270C
0	4-Chloroaniline	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Chlorobenzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chlorobenzene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Chlorobenzilate	<10.4	U			10.4	µg/L	GE	EPA8270C
0	Chlorobenzilate	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Chloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	Chloroform	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloroform	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloromethane	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	2-Chloronaphthalene	<10.4	U			10.4	µg/L	GE	EPA8270C
0	2-Chloronaphthalene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	4-Chlorophenyl phenyl ether	<10.4	U			10.4	µg/L	GE	EPA8270C
0	4-Chlorophenyl phenyl ether	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Chromium, total recoverable	1.81	J	I		5.00	µg/L	GE	EPA6010B
0	Chromium, total recoverable	1.40	J	I		7.00	µg/L	WA	EPA6010B
0	Chrysene	<10.4	U			10.4	µg/L	GE	EPA8270C
0	Chrysene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Diallate	<10.4	U			10.4	µg/L	GE	EPA8270C
0	Diallate	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Dibenz(a,h)anthracene	<10.4	U			10.4	µg/L	GE	EPA8270C
0	Dibenz(a,h)anthracene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Dibenzofuran	<10.4	U			10.4	µg/L	GE	EPA8270C
0	Dibenzofuran	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Dibromochloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Dibromochloromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Di-n-butyl phthalate	<10.4	U			10.4	µg/L	GE	EPA8270C
0	Di-n-butyl phthalate	<10.6	U			10.6	µg/L	WA	EPA8270C
0	1,2-Dichlorobenzene	<10.4	U			10.4	µg/L	GE	EPA8270C
0	1,2-Dichlorobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	1,3-Dichlorobenzene	<10.4	U			10.4	µg/L	GE	EPA8270C
0	1,3-Dichlorobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	1,4-Dichlorobenzene	<10.4	U			10.4	µg/L	GE	EPA8270C
0	1,4-Dichlorobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	3,3'-Dichlorobenzidine	<20.8	U			20.8	µg/L	GE	EPA8270C
0	3,3'-Dichlorobenzidine	<10.6	U			10.6	µg/L	WA	EPA8270C
0	1,1-Dichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,2-Dichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	GE	EPA8260B
0	Dichloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,2-Dichloropropane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,2-Dichloropropane	<5.00	U		X	5.00	µg/L	WA	EPA8260B

B-83

Second Quarter 1999



**ANALYTICAL RESULTS**

Well DBP 4 collected on 04/13/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Toluene	<1.00	JU	L	IO	1.00	µg/L	GE	EPA8260B
0	Toluene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	o-Toluidine	<10.4	U			10.4	µg/L	GE	EPA8270C
0	o-Toluidine	<10.6	U			10.6	µg/L	WA	EPA8270C
0	1,2,4-Trichlorobenzene	<10.4	U			10.4	µg/L	GE	EPA8270C
0	1,2,4-Trichlorobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	1,1,1-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Trichloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Trichlorofluoromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	O,O,O-Triethyl phosphorothioate	<10.4	U			10.4	µg/L	GE	EPA8270C
0	1,3,5-Trinitrobenzene	<10.4	U			10.4	µg/L	GE	EPA8270C
0	1,3,5-Trinitrobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Xylenes	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Radium, total alpha-emitting	1.10E-09±7.00E-10				8.60E-10	µCi/mL	GP	EPIA-010
0	Radium, total alpha-emitting	1.10E-09±7.00E-10				9.54E-10	µCi/mL	GP	EPIA-010
0	Radium, total alpha-emitting	1.66E-09±9.50E-10	J	I		9.40E-10	µCi/mL	TM	EPA903.0M
0	Tritium	8.15E-07±4.02E-07				6.40E-07	µCi/mL	GP	EPIA-002
0	Tritium	5.40E-07±3.50E-07	U			5.60E-07	µCi/mL	TM	EPA906.0M

**WELL DBP 4 Replicate**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/13/99  
Depth to water: 7.4 ft (2.26 m) below TOC  
Water elevation: 118.8 ft (36.21 m) msl  
pH: 4.1  
Sp. conductivity: 94 µS/cm  
Turbidity: 1 NTU  
Water evacuated from the well prior to sampling: 70 gal

Time: 9:08  
Water temperature: 16.2°C  
Air temperature: 12.7°C  
Total alkalinity (as CaCO3): 0 mg/L  
Phenolphthalein alkalinity: 0 mg/L  
Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Octachlorodibenzo-p-dioxin	<4.50	U			10.1	ng/L	WA	EPA8280A
0	Acenaphthene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Acenaphthylene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Acetophenone	<10.4	U			10.4	µg/L	WA	EPA8270C
0	2-Acetylaminofluorene	<10.4	U			10.4	µg/L	WA	EPA8270C
2	Aluminum, total recoverable	<401				146	µg/L	WA	EPA6010B
0	4-Aminobiphenyl	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Aniline	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Anthracene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Aramite	<20.8	U			20.8	µg/L	WA	EPA8270C
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Benzene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Benzo(a)anthracene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Benzo(b)fluoranthene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Benzo(k)fluoranthene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Benzo(g,h,i)perylene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Benzo(a)pyrene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Benzyl alcohol	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Bis(2-chloroethoxy) methane	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Bis(2-chloroethyl) ether	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Bis(2-chloroisopropyl) ether	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Bis(2-ethylhexyl) phthalate	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Bromodichloromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Bromofluoromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		X	10.0	µg/L	WA	EPA8270C
0	4-Bromophenyl phenyl ether	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Butylbenzyl phthalate	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Carbon tetrachloride	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	4-Chloroaniline	<10.4	U		X	10.4	µg/L	WA	EPA8270C
0	Chlorobenzene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Chlorobenzilate	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Chloroethane	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0	2-Chloronaphthalene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	4-Chlorophenyl phenyl ether	<10.4	U			10.4	µg/L	WA	EPA8270C

Well DBP 4 collected on 04/13/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chromium, total recoverable	<0.850	JU	I	4	7.00	µg/L	WA	EPA6010B
0	Chrysene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Diallate	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Dibenz(a,h)anthracene	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Dibenzofuran	<10.4	U			10.4	µg/L	WA	EPA8270C
0	Dibromochloromethane	<5.00			X	5.00	µg/L	WA	EPA8260B
0	Di-n-butyl phthalate	<10.4				10.4	µg/L	WA	EPA8270C
0	1,2-Dichlorobenzene	<10.4				10.4	µg/L	WA	EPA8270C
0	1,3-Dichlorobenzene	<10.4				10.4	µg/L	WA	EPA8270C
0	1,4-Dichlorobenzene	<10.4				10.4	µg/L	WA	EPA8270C
0	3,3'-Dichlorobenzidine	<10.4				10.4	µg/L	WA	EPA8270C
0	1,1-Dichloroethane	<5.00			X	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00			X	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00			X	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00			X	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00			X	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00			X	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00			X	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00			X	5.00	µg/L	WA	EPA8260B
0	Diethyl phthalate	<10.4				10.4	µg/L	WA	EPA8270C
0	Dimethyl phthalate	<10.4				10.4	µg/L	WA	EPA8270C
0	p-Dimethylaminoazobenzene	<10.4				10.4	µg/L	WA	EPA8270C
0	7,12-Dimethylbenz(a)anthracene	<10.4				10.4	µg/L	WA	EPA8270C
0	3,3'-Dimethylbenzidine	<10.4				10.4	µg/L	WA	EPA8270C
0	a,a-Dimethylphenethylamine	<10.4				10.4	µg/L	WA	EPA8270C
0	1,3-Dinitrobenzene	<10.4				10.4	µg/L	WA	EPA8270C
0	2,4-Dinitrotoluene	<10.4				10.4	µg/L	WA	EPA8270C
0	2,6-Dinitrotoluene	<10.4				10.4	µg/L	WA	EPA8270C
0	Di-n-octyl phthalate	<10.4				10.4	µg/L	WA	EPA8270C
0	1,4-Dioxane	<10.4				10.4	µg/L	WA	EPA8270C
0	Diphenylamine	<10.4				10.4	µg/L	WA	EPA8270C
0	Endrin	<0.103				0.103	µg/L	WA	EPA8081A
0	Ethyl methacrylate	<10.4				10.4	µg/L	WA	EPA8270C
0	Ethyl methanesulfonate	<10.4				10.4	µg/L	WA	EPA8270C
0	Ethylbenzene	<5.00			X	5.00	µg/L	WA	EPA8260B
0	Fluoranthene	<10.4				10.4	µg/L	WA	EPA8270C
0	Fluorene	<10.4				10.4	µg/L	WA	EPA8270C
0	Hexachlorobenzene	<10.4				10.4	µg/L	WA	EPA8270C
0	Hexachlorobutadiene	<10.4				10.4	µg/L	WA	EPA8270C
0	Hexachlorocyclopentadiene	<10.4				10.4	µg/L	WA	EPA8270C
0	Hexachloroethane	<10.4				10.4	µg/L	WA	EPA8270C
0	Hexachlorophene	<10.4				10.4	µg/L	WA	EPA8270C
0	Hexachloropropene	<10.4				10.4	µg/L	WA	EPA8270C
0	Indeno(1,2,3-c,d)pyrene	<10.4				10.4	µg/L	WA	EPA8270C
0	Iron, total recoverable	88.2				74.0	µg/L	WA	EPA6010B
0	Isophorone	<10.4				10.4	µg/L	WA	EPA8270C
0	Isosafrole	<10.4				10.4	µg/L	WA	EPA8270C
2	Manganese, total recoverable	479				7.80	µg/L	WA	EPA6010B
0	Methapyrene	<10.4				10.4	µg/L	WA	EPA8270C
0	Methyl methacrylate	<10.4				10.4	µg/L	WA	EPA8270C
0	Methyl methanesulfonate	<10.4				10.4	µg/L	WA	EPA8270C
0	3-Methylcholanthrene	<10.4				10.4	µg/L	WA	EPA8270C
0	2-Methylnaphthalene	<10.4				10.4	µg/L	WA	EPA8270C
0	Naphthalene	<10.4				10.4	µg/L	WA	EPA8270C
0	1,4-Naphthoquinone	<10.4				10.4	µg/L	WA	EPA8270C
0	1-Naphthylamine	<10.4				10.4	µg/L	WA	EPA8270C
0	2-Naphthylamine	<10.4				10.4	µg/L	WA	EPA8270C
0	m-Nitroaniline	<26.0				26.0	µg/L	WA	EPA8270C
0	o-Nitroaniline	<26.0				26.0	µg/L	WA	EPA8270C
0	p-Nitroaniline	<26.0				26.0	µg/L	WA	EPA8270C
0	Nitrobenzene	<10.4				10.4	µg/L	WA	EPA8270C
0	4-Nitroquinoline-1-oxide	<20.8				20.8	µg/L	WA	EPA8270C
0	N-Nitrosodi-n-butylamine	<10.4				10.4	µg/L	WA	EPA8270C
0	N-Nitrosodimethylamine	<10.4				10.4	µg/L	WA	EPA8270C
0	N-Nitrosodiphenylamine	<10.4				10.4	µg/L	WA	EPA8270C
0	N-Nitrosodipropylamine	<10.4				10.4	µg/L	WA	EPA8270C
0	N-Nitrosomethylthylamine	<10.4				10.4	µg/L	WA	EPA8270C
0	N-Nitrosomorpholine	<10.4				10.4	µg/L	WA	EPA8270C
0	N-Nitrosopiperidine	<52.0				52.0	µg/L	WA	EPA8270C
0	N-Nitrosopyrrolidine	<10.4				10.4	µg/L	WA	EPA8270C
0	5-Nitro-o-toluidine	<10.4				10.4	µg/L	WA	EPA8270C
0	PCB 1260	<1.03				1.03	µg/L	WA	EPA8082
0	Pentachlorobenzene	<10.4				10.4	µg/L	WA	EPA8270C
0	Pentachloroethane	<10.4				10.4	µg/L	WA	EPA8270C
0	Pentachloronitrobenzene	<52.0				52.0	µg/L	WA	EPA8270C
0	Phenacetin	<10.4				10.4	µg/L	WA	EPA8270C

Well DBP 4 collected on 04/13/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Phenanthrene	<10.4	U			10.4	µg/L	WA	EPA8270C
0 p-Phenylenediamine	<10.4	U			10.4	µg/L	WA	EPA8270C
0 2-Picoline	<10.4	U			10.4	µg/L	WA	EPA8270C
0 Pronamid	<10.4	U			10.4	µg/L	WA	EPA8270C
0 Pyrene	<10.4	U			10.4	µg/L	WA	EPA8270C
0 Pyridine	<10.4	U			10.4	µg/L	WA	EPA8270C
0 Safrole	<10.4	U			10.4	µg/L	WA	EPA8270C
0 1,2,4,5-Tetrachlorobenzene	<10.4	U			10.4	µg/L	WA	EPA8270C
0 1,1,2,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 Trichloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 Toluene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 o-Toluidine	<10.4	U			10.4	µg/L	WA	EPA8270C
0 1,2,4-Trichlorobenzene	<10.4	U			10.4	µg/L	WA	EPA8270C
0 1,1,1-Trichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 Trichloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 Trichlorofluoromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 1,3,5-Trinitrobenzene	<10.4	U			10.4	µg/L	WA	EPA8270C
0 Xylenes	<5.00	U		X	5.00	µg/L	WA	EPA8260B
1 Radium, total alpha-emitting	2.73E-09±1.07E-09	J	I		9.80E-10	µCi/mL	TM	EPA903.0M
0 Tritium	5.90E-07±3.60E-07	J	I		5.60E-07	µCi/mL	TM	EPA906.0M

## WELL DBP 5

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/13/99  
 Depth to water: 17.37 ft (5.29 m) below TOC  
 Water elevation: 117.23 ft (35.73 m) ms  
 pH: 4.4  
 Sp. conductance: 54 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 23 gal

Time: 11:40  
 Water temperature: 19.3°C  
 Air temperature: 19.6°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Octachlorodibenzo-p-dioxin	<3.20	U			10.1	ng/L	WA	EPA8280A
0 Acenaphthene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Acenaphthylene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Acetophenone	<10.6	U			10.6	µg/L	WA	EPA8270C
0 2-Acetylaminofluorene	<10.6	U			10.6	µg/L	WA	EPA8270C
2 Aluminum, total recoverable	51.7	J	I		146	µg/L	WA	EPA6010B
0 4-Aminobiphenyl	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Aniline	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Anthracene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Aramite	<21.2	U			21.2	µg/L	WA	EPA8270C
0 Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0 Benzene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 Benzo(a)anthracene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Benzo(b)fluoranthene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Benzo(k)fluoranthene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Benzo(g,h,i)perylene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Benzo(a)pyrene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Benzyl alcohol	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Bis(2-chloroethoxy) methane	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Bis(2-chloroethyl) ether	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Bis(2-chloroisopropyl) ether	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Bis(2-ethylhexyl) phthalate	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Bromodichloromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 Bromoform	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 Bromomethane	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0 4-Bromophenyl phenyl ether	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Butylbenzyl phthalate	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Carbon tetrachloride	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 4-Chloroaniline	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Chlorobenzene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 Chloroethane	<10.6	U		X	10.6	µg/L	WA	EPA8270C
0 Chloroethene (Vinyl chloride)	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0 2-Chloroethyl vinyl ether	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0 Chloroform	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 Chloromethane	<10.0	U		X	10.0	µg/L	WA	EPA8260B
0 2-Chloronaphthalene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 4-Chlorophenyl phenyl ether	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Chromium, total recoverable	<0.860	JU	I		7.00	µg/L	WA	EPA6010B
0 Chrysene	<10.6	U			10.6	µg/L	WA	EPA8270C

ESH-EMS-990521

Well DBP 5 collected on 04/13/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Diallyl	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Dibenz(a,h)anthracene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Dibenzofuran	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Dibromochloromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 Di-n-butyl phthalate	<10.6	U			10.6	µg/L	WA	EPA8270C
0 1,2-Dichlorobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 1,3-Dichlorobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 1,4-Dichlorobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 3,3'-Dichlorobenzidine	<10.6	U			10.6	µg/L	WA	EPA8270C
0 1,1-Dichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 1,2-Dichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 Dichloromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 1,2-Dichloropropane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 cis-1,3-Dichloropropane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 trans-1,3-Dichloropropane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 Diethyl phthalate	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Dimethyl phthalate	<10.6	U			10.6	µg/L	WA	EPA8270C
0 p-Dimethylaminoazobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 7,12-Dimethylbenz(a)anthracene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 3,3'-Dimethylbenzidine	<10.6	U			10.6	µg/L	WA	EPA8270C
0 a,a-Dimethylphenethylamine	<10.6	U			10.6	µg/L	WA	EPA8270C
0 1,3-Dinitrobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 2,4-Dinitrotoluene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 2,6-Dinitrotoluene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Di-n-octyl phthalate	<10.6	U			10.6	µg/L	WA	EPA8270C
0 1,4-Dioxane	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Diphenylamine	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Endrin	<0.104	U			0.104	µg/L	WA	EPA8081A
0 Ethyl methacrylate	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Ethyl methanesulfonate	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Ethylbenzene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0 Fluoranthene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Fluorene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Hexachlorobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Hexachlorobutadiene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Hexachlorocyclopentadiene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Hexachloroethane	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Hexachlorophene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Hexachloropropane	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Indeno(1,2,3-c,d)pyrene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Iron, total recoverable	<74.0	U			74.0	µg/L	WA	EPA6010B
0 Isophorone	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Isosafrole	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Manganese, total recoverable	3.90	J	I		7.80	µg/L	WA	EPA6010B
0 Methapyrene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Methyl methacrylate	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Methyl methanesulfonate	<10.6	U			10.6	µg/L	WA	EPA8270C
0 3-Methylcholanthrene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 2-Methylnaphthalene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Naphthalene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 1,4-Naphthoquinone	<10.6	U			10.6	µg/L	WA	EPA8270C
0 1-Naphthylamine	<10.6	U			10.6	µg/L	WA	EPA8270C
0 2-Naphthylamine	<10.6	U			10.6	µg/L	WA	EPA8270C
0 m-Nitroaniline	<26.5	U			26.5	µg/L	WA	EPA8270C
0 o-Nitroaniline	<26.5	U			26.5	µg/L	WA	EPA8270C
0 p-Nitroaniline	<26.5	U			26.5	µg/L	WA	EPA8270C
0 Nitrobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 4-Nitroquinoline-1-oxide	<21.2	U			21.2	µg/L	WA	EPA8270C
0 N-Nitrosodi-n-butylamine	<10.6	U			10.6	µg/L	WA	EPA8270C
0 N-Nitrosodimethylamine	<10.6	U			10.6	µg/L	WA	EPA8270C
0 N-Nitrosodipropylamine	<10.6	U			10.6	µg/L	WA	EPA8270C
0 N-Nitrosodiphenylamine	<10.6	U			10.6	µg/L	WA	EPA8270C
0 N-Nitrosodipropylamine	<10.6	U			10.6	µg/L	WA	EPA8270C
0 N-Nitrosomethyl ethylamine	<10.6	U			10.6	µg/L	WA	EPA8270C
0 N-Nitrosomorpholine	<10.6	U			10.6	µg/L	WA	EPA8270C
0 N-Nitrosopyrrolidine	<53.0	U			53.0	µg/L	WA	EPA8270C
0 N-Nitrosopyrrolidine	<10.6	U			10.6	µg/L	WA	EPA8270C
0 5-Nitro-o-toluidine	<10.6	U			10.6	µg/L	WA	EPA8270C
0 PCB 1260	<1.04	U			1.04	µg/L	WA	EPA8082
0 Pentachlorobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Pentachloroethane	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Pentachloronitrobenzene	<53.0	U			53.0	µg/L	WA	EPA8270C
0 Phenacetin	<10.6	U			10.6	µg/L	WA	EPA8270C
0 Phenanthrene	<10.6	U			10.6	µg/L	WA	EPA8270C
0 p-Phenylenediamine	<10.6	U			10.6	µg/L	WA	EPA8270C

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Second Quarter 1999

Well DBP 5 collected on 04/13/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	2-Picoline	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Pronamid	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Pyrene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Pyridine	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Safrole	<10.6	U			10.6	µg/L	WA	EPA8270C
0	1,2,4,5-Tetrachlorobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	1,1,2,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	o-Toluidine	<10.6	U			10.6	µg/L	WA	EPA8270C
0	1,2,4-Trichlorobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	1,1,1-Trichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	1,3,5-Trinitrobenzene	<10.6	U			10.6	µg/L	WA	EPA8270C
0	Xylenes	<5.00	U		X	5.00	µg/L	WA	EPA8260B
0	Radium, total alpha-emitting	2.49E-09±1.04E-09	J	I		9.90E-10	µCi/mL	TM	EPA903.0M
0	Tritium	1.79E-06±4.40E-07				5.70E-07	µCi/mL	TM	EPA906.0M

**WELL DBP 5**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/09/99  
 Depth to water: 19.55 ft (5.96 m) below TOC  
 Water elevation: 115.05 ft (35.07 m) msl  
 pH: 3.8  
 Sp. conductance: 58 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 20 gal

Time: 9:22  
 Water temperature: 18.6°C  
 Air temperature: 24.6°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Aluminum, total recoverable	41.4	J	I		146	µg/L	WA	EPA6010B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Iron, total recoverable	<29.8	U	V		74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Sulfate	341				340	µg/L	WA	EPA9056
0	Total organic carbon	365	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	Gross alpha	3.53E-09±1.04E-09				1.02E-09	µCi/mL	TM	EPA900.0M
0	Gross alpha	3.98E-09±1.09E-09				1.02E-09	µCi/mL	TM	EPA900.0M

**WELL DCB 4A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/09/99  
 Depth to water: 12.08 ft (3.68 m) below TOC  
 Water elevation: 117.42 ft (35.79 m) msl  
 pH: 3.8  
 Sp. conductance: 780 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 84 gal

Time: 11:42  
 Water temperature: 21.4°C  
 Air temperature: 32.9°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	44,500				146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0				40.0	µg/L	WA	EPA6010B
1	Cadmium, total recoverable	2.90	J	I		4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Fluoride	1,130				40.0	µg/L	WA	EPA340.2
2	Iron, total recoverable	844				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
2	Manganese, total recoverable	1,990				7.80	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
2	Sulfate	489,000				340	µg/L	WA	EPA9056
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B

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Well DCB 4A collected on 06/09/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B

**WELL DCB 8**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/09/99  
 Depth to water: 12.63 ft (3.85 m) below TOC  
 Water elevation: 124.17 ft (37.85 m) msl  
 pH: 4.7  
 Sp. conductance: 30 µS/cm  
 Turbidity: 6 NTU  
 Water evacuated from the well prior to sampling: 66 gal

Time: 11:05  
 Water temperature: 19.8°C  
 Air temperature: 30.3°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	131	J	I		146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
2	Iron, total recoverable	305				74.0	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B

**WELL DCB 8C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/10/99  
 Depth to water: 13.11 ft (4 m) below TOC  
 Water elevation: 124.09 ft (37.82 m) msl  
 pH: 4.6  
 Sp. conductance: 48 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 30 gal

Time: 10:19  
 Water temperature: 20.3°C  
 Air temperature: 23.8°C  
 Total alkalinity (as CaCO3): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloride	2,600				100	µg/L	GE	EPA300.0
0	Chloride	2,630				100	µg/L	GE	EPA300.0
0	Sulfate	5,780				200	µg/L	GE	EPA300.0
0	Sulfate	5,850				200	µg/L	GE	EPA300.0
2	Trichloroethylene	68.1				1.00	µg/L	GE	EPA8260B
0	Tritium	1.44E-06±3.68E-07				5.31E-07	µCi/mL	GP	EPIA-002

**WELL DCB 12**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/09/99  
 Depth to water: 9.28 ft (2.83 m) below TOC  
 Water elevation: 107.62 ft (32.8 m) msl  
 pH: 3.2  
 Sp. conductance: 420 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 25 gal

Time: 12:34  
 Water temperature: 20.6°C  
 Air temperature: 35.1°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	3,020				146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
2	Iron, total recoverable	2,780				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	22.8	J	I		47.0	µg/L	WA	EPA6010B

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Well DCB 12 collected on 06/09/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Manganese, total recoverable	509				7.80	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
1	Total organic halogens	91.1	J	I		480	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
2	Trichloroethylene	6.42				1.00	µg/L	WA	EPA8021B

**WELL DCB 15R**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/11/99  
 Depth to water: 20.2 ft (6.16 m) below TOC  
 Water elevation: 107.8 ft (32.86 m) msl  
 pH: 4.5  
 Sp. conductance: 2,300 µS/cm  
 Turbidity: 5 NTU  
 Water evacuated from the well prior to sampling: 46 gal

Time: 14:08  
 Water temperature: 22.8°C  
 Air temperature: 28.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloride	1,280				100	µg/L	GE	EPA300.0
2	Sulfate	1,730,000				10,000	µg/L	GE	EPA300.0
1	Trichloroethylene	4.87				1.00	µg/L	GE	EPA8260B
0	Tritium	1.96E-06±7.75E-07				1.20E-06	µCi/mL	GP	EPIA-002

**WELL DCB 16R**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/11/99  
 Depth to water: 20.51 ft (6.25 m) below TOC  
 Water elevation: Not available  
 pH: 4.4  
 Sp. conductance: 980 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 36 gal

Time: 13:04  
 Water temperature: 23.1°C  
 Air temperature: 29.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloride	5,720				100	µg/L	GE	EPA300.0
2	Sulfate	507,000				4,000	µg/L	GE	EPA300.0
2	Trichloroethylene	101				1.00	µg/L	GE	EPA8260B
1	Tritium	1.02E-05±6.68E-07				5.77E-07	µCi/mL	GP	EPIA-002

**WELL DCB 27**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/12/99  
 Depth to water: 10.05 ft (3.06 m) below TOC  
 Water elevation: 106.75 ft (32.54 m) msl  
 pH: 4.6  
 Sp. conductance: 46 µS/cm  
 Turbidity: 33 NTU  
 Water evacuated from the well prior to sampling: 14 gal

Time: 13:05  
 Water temperature: 21.4°C  
 Air temperature: 22.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 7 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VN

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloride	5,720				100	µg/L	GE	EPA300.0
0	Sulfate	725				200	µg/L	GE	EPA300.0
1	Trichloroethylene	4.03				1.00	µg/L	GE	EPA8260B
0	Tritium	6.01E-08±5.23E-07				5.30E-07	µCi/mL	GP	EPIA-002

**WELL DCB 28**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/10/99  
 Depth to water: 6.98 ft (2.13 m) below TOC  
 Water elevation: 95.52 ft (29.11 m) msl  
 pH: 5.4  
 Sp. conductance: 200 µS/cm  
 Turbidity: 3 NTU  
 Water evacuated from the well prior to sampling: 12 gal

Time: 9:17  
 Water temperature: 21.2°C  
 Air temperature: 32.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloride	5,430				100	µg/L	GE	EPA300.0
0	Chloride	5,350				100	µg/L	GE	EPA300.0
0	Sulfate	76,700				400	µg/L	GE	EPA300.0
0	Sulfate	76,400				400	µg/L	GE	EPA300.0
2	Trichloroethylene	18.8				1.00	µg/L	GE	EPA8260B
2	Tritium	3.50E-05±1.07E-06				5.30E-07	µCi/mL	GP	EPIA-002

**WELL DCB 29R**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/10/99  
 Depth to water: 13.96 ft (4.26 m) below TOC  
 Water elevation: 96.64 ft (29.46 m) msl  
 pH: 3.9  
 Sp. conductance: 1,400 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 13 gal

Time: 9:17  
 Water temperature: 22.1°C  
 Air temperature: 20.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloride	3,700				100	µg/L	GE	EPA300.0
2	Sulfate	808,000				5,000	µg/L	GE	EPA300.0
0	Trichloroethylene	2.49				1.00	µg/L	GE	EPA8260B
0	Tritium	1.49E-06±4.37E-07				6.46E-07	µCi/mL	GP	EPIA-002

**WELL DCB 30**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/12/99  
 Depth to water: 11.98 ft (3.65 m) below TOC  
 Water elevation: 101.72 ft (31 m) msl  
 pH: 4.5  
 Sp. conductance: 64 µS/cm  
 Turbidity: 41 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 12:56  
 Water temperature: 20°C  
 Air temperature: 21.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 4 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VXX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloride	11,400				100	µg/L	GE	EPA300.0
0	Sulfate	1,730				200	µg/L	GE	EPA300.0
1	Trichloroethylene	3.43				1.00	µg/L	GE	EPA8260B
0	Tritium	1.23E-06±3.58E-07				5.29E-07	µCi/mL	GP	EPIA-002

**WELL DCB 31**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/10/99  
 Depth to water: 10.73 ft (3.27 m) below TOC  
 Water elevation: 108.87 ft (33.18 m) msl  
 pH: 3.8  
 Sp. conductance: 920 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 7 gal

Time: 8:18  
 Water temperature: 18.5°C  
 Air temperature: 13.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V



Well DCB 31 collected on 05/10/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,1,1-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1,2-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Trichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	2,4,5-Trichlorophenol	<10.0	U			10.0	µg/L	GE	EPA8270C
0	2,4,6-Trichlorophenol	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Vanadium, total recoverable	<10.0	U			10.0	µg/L	GE	EPA6020
0	Vinyl acetate	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Xylenes	<2.00	JU	L	O	2.00	µg/L	GE	EPA8260B
0	Zinc, total recoverable	1.050	U			10.0	µg/L	GE	EPA6020
0	Actinium-228	9.06E-09±7.83E-09	U			1.56E-08	µCi/mL	GP	EPIA-013
0	Actinium-228	8.54E-09±7.87E-09	U			1.58E-08	µCi/mL	GP	EPIA-013
0	Antimony-125	3.44E-09±5.66E-09	U			1.07E-08	µCi/mL	GP	EPIA-013
0	Antimony-125	-3.18E-09±5.52E-09	U			9.42E-09	µCi/mL	GP	EPIA-013
0	Cerium-144	8.48E-09±1.46E-08	U			2.58E-08	µCi/mL	GP	EPIA-013
0	Cerium-144	-1.04E-08±1.45E-08	U			2.41E-08	µCi/mL	GP	EPIA-013
0	Cesium-134	-9.64E-11±1.93E-09	U			3.06E-09	µCi/mL	GP	EPIA-013
0	Cesium-134	9.17E-10±2.26E-09	U			3.64E-09	µCi/mL	GP	EPIA-013
0	Cesium-137	4.30E-10±2.38E-09	U			3.88E-09	µCi/mL	GP	EPIA-013
0	Cesium-137	-1.78E-11±2.34E-09	U			4.10E-09	µCi/mL	GP	EPIA-013
0	Cobalt-57	4.73E-10±1.78E-09	U			3.14E-09	µCi/mL	GP	EPIA-013
0	Cobalt-57	-2.11E-10±1.83E-09	U			3.16E-09	µCi/mL	GP	EPIA-013
0	Cobalt-60	-1.45E-09±1.97E-09	U			3.33E-09	µCi/mL	GP	EPIA-013
0	Cobalt-60	1.36E-09±2.35E-09	U			4.62E-09	µCi/mL	GP	EPIA-013
0	Europium-152	3.63E-10±6.50E-09	U			1.11E-08	µCi/mL	GP	EPIA-013
0	Europium-152	-1.26E-09±5.80E-09	U			1.03E-08	µCi/mL	GP	EPIA-013
0	Europium-154	-4.40E-09±5.20E-09	U			8.63E-09	µCi/mL	GP	EPIA-013
0	Europium-154	-8.84E-10±7.12E-09	U			1.27E-08	µCi/mL	GP	EPIA-013
0	Europium-155	-1.81E-09±7.86E-09	U			1.36E-08	µCi/mL	GP	EPIA-013
0	Europium-155	-1.67E-10±7.49E-09	U			1.31E-08	µCi/mL	GP	EPIA-013
2	Gross alpha	2.66E-08±3.25E-09	U			1.78E-09	µCi/mL	GP	EPIA-001
2	Gross alpha	2.48E-08±3.17E-09	U			1.95E-09	µCi/mL	GP	EPIA-001
0	Lead-212	4.16E-09±4.14E-09	U			6.43E-09	µCi/mL	GP	EPIA-013
0	Lead-212	3.93E-09±6.33E-09	U			6.46E-09	µCi/mL	GP	EPIA-013
0	Manganese-54	-1.28E-09±2.04E-09	U			2.85E-09	µCi/mL	GP	EPIA-013
0	Manganese-54	-2.18E-09±1.75E-09	U			2.74E-09	µCi/mL	GP	EPIA-013
0	Nonvolatile beta	1.23E-08±1.82E-09	U			2.61E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.60E-08±1.96E-09	U			2.69E-09	µCi/mL	GP	EPIA-001
0	Potassium-40	9.27E-09±4.13E-08	U			3.31E-08	µCi/mL	GP	EPIA-013
0	Potassium-40	2.73E-08±2.67E-08	U			3.33E-08	µCi/mL	GP	EPIA-013
0	Promethium-144	-1.01E-10±1.94E-09	U			3.47E-09	µCi/mL	GP	EPIA-013
0	Promethium-144	7.30E-10±1.92E-09	U			3.50E-09	µCi/mL	GP	EPIA-013
0	Promethium-146	1.24E-09±2.61E-09	U			4.90E-09	µCi/mL	GP	EPIA-013
0	Promethium-146	-3.01E-10±2.47E-09	U			4.38E-09	µCi/mL	GP	EPIA-013
0	Radium-226	1.05E-09±4.81E-10	U			3.86E-10	µCi/mL	GP	EPIA-008
0	Radium-226	8.33E-10±4.33E-10	U			3.84E-10	µCi/mL	GP	EPIA-008
0	Radium-228	5.28E-10±3.93E-10	JU	L	C	7.91E-10	µCi/mL	GP	EPIA-009
0	Radium-228	4.42E-10±4.45E-10	JU	L	C	9.27E-10	µCi/mL	GP	EPIA-009
0	Ruthenium-106	9.60E-09±1.58E-08	U			3.06E-08	µCi/mL	GP	EPIA-013
0	Ruthenium-106	1.90E-09±1.77E-08	U			3.17E-08	µCi/mL	GP	EPIA-013
0	Sodium-22	-1.57E-09±1.84E-09	U			3.06E-09	µCi/mL	GP	EPIA-013
0	Sodium-22	-3.14E-10±2.53E-09	U			4.50E-09	µCi/mL	GP	EPIA-013
0	Tritium	2.70E-06±4.90E-07	U			6.67E-07	µCi/mL	GP	EPIA-002
0	Tritium	2.64E-06±4.92E-07	U			6.74E-07	µCi/mL	GP	EPIA-002
0	Yttrium-88	1.69E-09±2.47E-09	U			5.12E-09	µCi/mL	GP	EPIA-013
0	Yttrium-88	1.20E-09±2.34E-09	U			4.80E-09	µCi/mL	GP	EPIA-013
0	Zinc-65	1.62E-09±4.46E-09	U			6.18E-09	µCi/mL	GP	EPIA-013
0	Zinc-65	2.19E-09±4.47E-09	U			7.83E-09	µCi/mL	GP	EPIA-013

**WELL DCB 32A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/10/99  
 Depth to water: 21.8 ft (6.64 m) below TOC  
 Water elevation: 122.4 ft (37.31 m) msl  
 pH: 3.8  
 Sp. conductance: 230 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 27 gal

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloride	4,370				100	µg/L	GE	EPA300.0
0	Sulfate	96,500				1,000	µg/L	GE	EPA300.0
0	Trichloroethylene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Tritium	2.18E-06±3.89E-07				5.17E-07	µCi/mL	GP	EPIA-002

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**WELL DCB 33B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/11/99  
 Depth to water: 10.11 ft (3.08 m) below TOC  
 Water elevation: 133.89 ft (40.81 m) msl  
 pH: 5.3  
 Sp. conductance: 53 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 40 gal

Time: 12:25  
 Water temperature: 19.4°C  
 Air temperature: 32.7°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloride	3,290				100	µg/L	GE	EPA300.0
0	Sulfate	7,420				200	µg/L	GE	EPA300.0
2	Trichloroethylene	18.9				1.00	µg/L	GE	EPA8260B
0	Tritium	1.75E-06±3.75E-07				5.22E-07	µCi/mL	GP	EPIA-002

**WELL DCB 33C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/11/99  
 Depth to water: 9.95 ft (3.03 m) below TOC  
 Water elevation: 133.25 ft (40.62 m) msl  
 pH: 4.8  
 Sp. conductance: 46 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 35 gal

Time: 12:50  
 Water temperature: 19.9°C  
 Air temperature: 33.3°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloride	2,920				100	µg/L	GE	EPA300.0
0	Sulfate	6,610				200	µg/L	GE	EPA300.0
2	Trichloroethylene	15.5				1.00	µg/L	GE	EPA8260B
0	Tritium	2.38E-06±4.08E-07				5.37E-07	µCi/mL	GP	EPIA-002

**WELL DCB 33D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/10/99  
 Depth to water: 9.76 ft (2.97 m) below TOC  
 Water elevation: 133.24 ft (40.61 m) msl  
 pH: 5.2  
 Sp. conductance: 46 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 38 gal

Time: 10:30  
 Water temperature: 20.2°C  
 Air temperature: 23.9°C  
 Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloride	1,920				100	µg/L	GE	EPA300.0
0	Sulfate	10,600				200	µg/L	GE	EPA300.0
0	Trichloroethylene	0.993	J	I		1.00	µg/L	GE	EPA8260B
0	Tritium	1.81E-07±3.09E-07	U			5.26E-07	µCi/mL	GP	EPIA-002

**WELL DCB 45A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/11/99  
 Depth to water: 14.43 ft (4.4 m) below TOC  
 Water elevation: 123.17 ft (37.54 m) msl  
 pH: 4.9  
 Sp. conductance: 42 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 23 gal

Time: 13:57  
 Water temperature: 21.2°C  
 Air temperature: 29.5°C  
 Total alkalinity (as CaCO3): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloride	4,090				100	µg/L	GE	EPA300.0
0	Sulfate	2,530				200	µg/L	GE	EPA300.0

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Well DCB 45A collected on 05/11/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Trichloroethylene	6.61			1.00		µg/L	GE	EPA8260B
2	Tritium	1.07E-03±2.08E-05			2.12E-06		µCi/mL	GP	EPIA-002

**WELL DCB 45C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/11/99  
 Depth to water: 14.48 ft (4.41 m) below TOC  
 Water elevation: 124.32 ft (37.89 m) msl  
 pH: 5  
 Sp. conductance: 50 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 23 gal

Time: 13:15  
 Water temperature: 22.1°C  
 Air temperature: 30.7°C  
 Total alkalinity (as CaCO3): 7 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloride	3,460			100		µg/L	GE	EPA300.0
0	Sulfate	2,910			200		µg/L	GE	EPA300.0
2	Trichloroethylene	51.1			1.00		µg/L	GE	EPA8260B
2	Tritium	5.17E-04±1.01E-05			1.50E-06		µCi/mL	GP	EPIA-002

**WELL DCB 47C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/10/99  
 Depth to water: 22.81 ft (6.95 m) below TOC  
 Water elevation: 108.59 ft (33.1 m) msl  
 pH: 5.3  
 Sp. conductance: 1,100 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 12 gal

Time: 8:06  
 Water temperature: 21.6°C  
 Air temperature: 15.9°C  
 Total alkalinity (as CaCO3): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloride	2,140			100		µg/L	GE	EPA300.0
2	Sulfate	525,000			4,000		µg/L	GE	EPA300.0
2	Trichloroethylene	39.0			1.00		µg/L	GE	EPA8260B
0	Tritium	3.29E-06±4.32E-07			5.22E-07		µCi/mL	GP	EPIA-002
0	Tritium	3.97E-06±4.90E-07			5.78E-07		µCi/mL	GP	EPIA-002

**WELL DCB 48D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/11/99  
 Depth to water: 15.03 ft (4.58 m) below TOC  
 Water elevation: 94.37 ft (28.76 m) msl  
 pH: 6  
 Sp. conductance: 78 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 28 gal

Time: 14:50  
 Water temperature: 21.4°C  
 Air temperature: 29.8°C  
 Total alkalinity (as CaCO3): 19 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloride	2,030			100		µg/L	GE	EPA300.0
0	Sulfate	13,800			200		µg/L	GE	EPA300.0
0	Trichloroethylene	<1.00			1.00		µg/L	GE	EPA8260B
0	Tritium	3.73E-07±3.22E-07			5.33E-07		µCi/mL	GP	EPIA-002

**WELL DOB 1**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/02/99  
 Depth to water: 9.71 ft (2.96 m) below TOC  
 Water elevation: 141.99 ft (43.28 m) msl  
 pH: 6.3  
 Sp. conductance: 170 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 59 gal

Time: 11:19  
 Water temperature: 19.6°C  
 Air temperature: 28.3°C  
 Total alkalinity (as CaCO3): 63 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	JU	Q		10.0	µg/L	EX	EPA8260B
2	Aluminum, total recoverable	80.0	J	I		200	µg/L	EX	EPA6010B
0	Antimony, total recoverable	<100	U			100	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	13.0				10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Beryllium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Bromodichloromethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Calcium, total recoverable	7,700				1,000	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Chemical oxygen demand	12,800	J	I	C	10,000	µg/L	EX	EPA410.4
0	Chloride	2,460				200	µg/L	EX	EPA300.0
0	Chlorobenzene	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	JU	Q		10.0	µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Cobalt, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Copper, total recoverable	87.0				20.0	µg/L	EX	EPA6010B
0	Cyanide	<10.0	U			10.0	µg/L	EX	EPA9014
0	Cyanide	<10.0	U			10.0	µg/L	EX	EPA9014
0	Dibromochloromethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethylene	<1.00	JU	Q		1.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
1	Iron, total recoverable	160	J	I		200	µg/L	EX	EPA6010B
0	Lead, total recoverable	5.80				10.0	µg/L	EX	EPA6010B
0	Magnesium, total recoverable	17,000				1,000	µg/L	EX	EPA6010B
0	Manganese, total recoverable	4.20	J	I		10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Methyl ethyl ketone	<10.0	JU	Q		10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Nickel, total recoverable	<50.0	U			50.0	µg/L	EX	EPA6010B
0	Nitrate-nitrite as nitrogen	<500	U			500	µg/L	EX	EPA300.0
0	pH	6.57	J	Q		0.00	pH	EX	EPA150.1
0	Potassium, total recoverable	<5,000	U			5,000	µg/L	EX	EPA6010B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<6.70	JU	I	4	20.0	µg/L	EX	EPA6010B
0	Sodium, total recoverable	1,500				1,000	µg/L	EX	EPA6010B
0	Specific conductance	179				1.00	µS/cm	EX	EPA120.1
0	Specific conductance	179				1.00	µS/cm	EX	EPA120.1
0	Styrene	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Sulfate	15,700				200	µg/L	EX	EPA300.0
0	1,1,2,2-Tetrachloroethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
1	Tetrachloroethylene	4.00	J	IQ		5.00	µg/L	EX	EPA8260B
0	Thallium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Toluene	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Total organic carbon	9,700				5,000	µg/L	EX	EPA9060
0	Total organic halogens	32.8	J	I		120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B



Well DOB 2 collected on 06/03/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Thallium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Thallium, total recoverable	<55.0	U			55.0	µg/L	WA	EPA6010B
0	Thallium, total recoverable	<55.0	U			55.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Total organic carbon	12,000	J	K	O	5,000	µg/L	EX	EPA9060
0	Total organic carbon	10,800	U			1,000	µg/L	WA	EPA9060
0	Total organic halogens	20.7	J	I		120	µg/L	WA	EPA9020B
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	JU	L	C	5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Vanadium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Vanadium, total recoverable	<6.90	U			6.90	µg/L	WA	EPA6010B
0	Vanadium, total recoverable	<6.90	U			6.90	µg/L	WA	EPA6010B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Vinyl acetate	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	16.0		I		20.0	µg/L	EX	EPA6010B
0	Zinc, total recoverable	6.60	J	I		53.0	µg/L	WA	EPA6010B
0	Zinc, total recoverable	6.40	J	I		53.0	µg/L	WA	EPA6010B

**WELL DOB 2 Replicate**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/03/99  
 Depth to water: 10.58 ft (3.22 m) below TOC  
 Water elevation: 141.62 ft (43.17 m) msf  
 pH: 5  
 Sp. conductance: 100 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 67 gal

Time: 9:34  
 Water temperature: 21°C  
 Air temperature: 24.7°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Antimony, total recoverable	<100	U			100	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	33.0	U			10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Beryllium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA6010B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Calcium, total recoverable	5,900	U			1,000	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chemical oxygen demand	10,300	J	L	C	10,000	µg/L	EX	EPA410.4
0	Chloride	4,900	U			200	µg/L	EX	EPA300.0
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Cobalt, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Copper, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Cyanide	<10.0	U			10.0	µg/L	EX	EPA9014
0	Cyanide	<10.0	U			10.0	µg/L	EX	EPA9014
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B

**ESH-EMS-990521**

Well DOB 2 collected on 06/03/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
1	Iron, total recoverable	250	U			200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Magnesium, total recoverable	4,100	U			1,000	µg/L	EX	EPA6010B
0	Manganese, total recoverable	21.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Nickel, total recoverable	<50.0	U			50.0	µg/L	EX	EPA6010B
0	Nitrate-nitrite as nitrogen	575	U			500	µg/L	EX	EPA300.0
0	pH	5.14	J	Q		0.00	pH	EX	EPA150.1
0	Potassium, total recoverable	<5,000	U			5,000	µg/L	EX	EPA6010B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Sodium, total recoverable	3,000	U			1,000	µg/L	EX	EPA6010B
0	Specific conductance	95.1	U			1.00	µS/cm	EX	EPA120.1
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Sulfate	24,700	U			200	µg/L	EX	EPA300.0
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Thallium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Total organic carbon	8,500	U			5,000	µg/L	EX	EPA9060
0	Total organic halogens	23.6	J	I		120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	JU	L	C	5.00	µg/L	EX	EPA8260B
0	Vanadium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Zinc, total recoverable	7.00	J	I		20.0	µg/L	EX	EPA6010B

**WELL DOB 7**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/02/99  
 Depth to water: 9.46 ft (2.88 m) below TOC  
 Water elevation: 141.44 ft (43.11 m) msf  
 pH: 4.9  
 Sp. conductance: 86 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 30 gal

Time: 12:16  
 Water temperature: 18.3°C  
 Air temperature: 30°C  
 Total alkalinity (as CaCO3): 6 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	JU	Q		10.0	µg/L	EX	EPA8260B
2	Aluminum, total recoverable	74.0	J	I		200	µg/L	EX	EPA6010B
0	Antimony, total recoverable	<100	U			100	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	69.0	U			10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Beryllium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Bromodichloromethane	<5.00	JU	Q	Q	5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	JU	Q	Q	5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	JU	Q	Q	5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Calcium, total recoverable	3,900	U			1,000	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	JU	Q	Q	5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	JU	Q	Q	5.00	µg/L	EX	EPA8260B
0	Chemical oxygen demand	17,900	J	L	C	10,000	µg/L	EX	EPA410.4
0	Chloride	4,850	U			200	µg/L	EX	EPA300.0
0	Chlorobenzene	<5.00	JU	Q	Q	5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	JU	Q	Q	10.0	µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<5.00	JU	Q	Q	5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	JU	Q	Q	5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	JU	Q	Q	5.00	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Cobalt, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Copper, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Cyanide	<10.0	U			10.0	µg/L	EX	EPA9014
0	Cyanide	<10.0	U			10.0	µg/L	EX	EPA9014
0	Dibromochloromethane	<5.00	JU	Q	Q	5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	JU	Q	Q	5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	JU	Q	Q	5.00	µg/L	EX	EPA8260B

**B-93**

**Second Quarter 1999**

Well DOB 7 collected on 06/02/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,1-Dichloroethylene	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethylene	<1.00	JU	Q		1.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
2	Iron, total recoverable	2,200				200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Magnesium, total recoverable	4,700				1,000	µg/L	EX	EPA6010B
2	Manganese, total recoverable	150				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Methyl ethyl ketone	<10.0	JU	Q		10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<50.0	JU	Q		5.00	µg/L	EX	EPA8260B
0	Nickel, total recoverable	<5.00	U			50.0	µg/L	EX	EPA6010B
0	Nitrate-nitrite as nitrogen	1,070				500	µg/L	EX	EPA300.0
0	pH	5.90	J	Q		0.00	pH	EX	EPA150.1
0	Potassium, total recoverable	<5,000	U			5,000	µg/L	EX	EPA6010B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<7.30	JU	I	4	20.0	µg/L	EX	EPA6010B
0	Sodium, total recoverable	2,900				1,000	µg/L	EX	EPA6010B
0	Specific conductance	89.0				1.00	µS/cm	EX	EPA120.1
0	Styrene	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Sulfate	18,200				200	µg/L	EX	EPA300.0
0	1,1,2,2-Tetrachloroethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
2	Tetrachloroethylene	6.30	J	KQ	0	5.00	µg/L	EX	EPA8260B
0	Thallium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Toluene	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Total organic carbon	8,400				5,000	µg/L	EX	EPA9060
0	Total organic halogens	23.5	J	I		120	µg/L	WA	EPA9020B
0	Total organic halogens	25.0	J	I		120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	1.30	J	IQ	CO	5.00	µg/L	EX	EPA8260B
0	Vanadium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Vinyl acetate	<20.0	JU	Q		20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	JU	Q		10.0	µg/L	EX	EPA8260B
0	Zinc, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B

## WELL DOB 8

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/02/99  
 Depth to water: 11.88 ft (3.62 m) below TOC  
 Water elevation: 141.62 ft (43.17 m) msl  
 pH: 4.8  
 Sp. conductance: 73 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 36 gal

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	JU	Q		10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Antimony, total recoverable	<100	U			100	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	23.0				10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Beryllium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Bromodichloromethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Calcium, total recoverable	6,000				1,000	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Chemical oxygen demand	<10,000	JU	L	C	10,000	µg/L	EX	EPA410.4
0	Chloride	3,330				200	µg/L	EX	EPA300.0
0	Chlorobenzene	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	JU	Q		10.0	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B

ESH-EMS-990521

Well DOB 8 collected on 06/02/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Cobalt, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Copper, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Cyanide	<10.0	U			10.0	µg/L	EX	EPA9014
0	Dibromochloromethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethylene	<1.00	JU	Q		1.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
2	Iron, total recoverable	680				200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Magnesium, total recoverable	2,800				1,000	µg/L	EX	EPA6010B
2	Manganese, total recoverable	51.0				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	JU	Q		0.500	µg/L	EX	EPA7470A
0	Methyl ethyl ketone	<10.0	JU	Q		10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Nickel, total recoverable	<50.0	U			50.0	µg/L	EX	EPA6010B
0	Nitrate-nitrite as nitrogen	973				500	µg/L	EX	EPA300.0
0	pH	5.68	J	Q		0.00	pH	EX	EPA150.1
0	Potassium, total recoverable	<5,000	U			5,000	µg/L	EX	EPA6010B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<7.80	JU	I	4	20.0	µg/L	EX	EPA6010B
0	Sodium, total recoverable	2,300				1,000	µg/L	EX	EPA6010B
0	Specific conductance	76.3				1.00	µS/cm	EX	EPA120.1
0	Styrene	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Sulfate	15,100				200	µg/L	EX	EPA300.0
0	1,1,2,2-Tetrachloroethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
2	Tetrachloroethylene	7.80	J	KQ	0	5.00	µg/L	EX	EPA8260B
0	Thallium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Toluene	2.00	J	IKQ	0	5.00	µg/L	EX	EPA8260B
0	Total organic carbon	5,200				5,000	µg/L	EX	EPA9060
0	Total organic halogens	24.1	J	I		120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	1.00	J	IQ	CO	5.00	µg/L	EX	EPA8260B
0	Vanadium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Vinyl acetate	<20.0	JU	Q		20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	JU	Q		10.0	µg/L	EX	EPA8260B
0	Zinc, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B

## WELL DOB 10

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/02/99  
 Depth to water: 11.96 ft (3.65 m) below TOC  
 Water elevation: 141.54 ft (43.14 m) msl  
 pH: 5.2  
 Sp. conductance: 130 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 35 gal

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	JU	Q		10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Antimony, total recoverable	<100	U			100	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	40.0				10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Beryllium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Bromodichloromethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Calcium, total recoverable	5,000				1,000	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	JU	Q		5.00	µg/L	EX	EPA8260B
0	Chemical oxygen demand	<10,000	JU	L	C	10,000	µg/L	EX	EPA410.4
0	Chemical oxygen demand	<10,000	JU	L	C	10,000	µg/L	EX	EPA410.4
0	Chloride	4,720				200	µg/L	EX	EPA300.0

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Second Quarter 1999

**ANALYTICAL RESULTS**

Well DOB 10 collected on 06/02/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Chlorobenzene	<5.00	JU	O		5.00	µg/L	EX	EPAB260B
0 Chloroethane	<10.0	JU	O		10.0	µg/L	EX	EPAB260B
0 Chloroethene (Vinyl chloride)	<5.00	JU	O		5.00	µg/L	EX	EPAB260B
0 Chloroform	<5.00	JU	O		5.00	µg/L	EX	EPAB260B
0 Chloromethane	<10.0	JU	O		10.0	µg/L	EX	EPAB260B
0 Chromium, total recoverable	<10.0	JU	O		10.0	µg/L	EX	EPAB260B
0 Cobalt, total recoverable	<20.0	JU	O		20.0	µg/L	EX	EPAB260B
0 Copper, total recoverable	<10.0	JU	O		10.0	µg/L	EX	EPAB260B
0 Cyanide	<5.00	JU	O		5.00	µg/L	EX	EPAB260B
0 Dibromochloromethane	<5.00	JU	O		5.00	µg/L	EX	EPAB260B
0 1,1-Dichloroethane	<5.00	JU	O		5.00	µg/L	EX	EPAB260B
0 1,2-Dichloroethane	<5.00	JU	O		5.00	µg/L	EX	EPAB260B
0 1,1-Dichloroethene	<5.00	JU	O		5.00	µg/L	EX	EPAB260B
0 1,2-Dichloroethene	<5.00	JU	O		5.00	µg/L	EX	EPAB260B
0 Dichloromethane	<5.00	JU	O		5.00	µg/L	EX	EPAB260B
0 1,2-Dichloropropane	<5.00	JU	O		5.00	µg/L	EX	EPAB260B
0 cis-1,3-Dichloropropene	<5.00	JU	O		5.00	µg/L	EX	EPAB260B
0 Ethylbenzene	<5.00	JU	O		5.00	µg/L	EX	EPAB260B
2 Iron, total recoverable	310				200	µg/L	EX	EPAB260B
0 Lead, total recoverable	<10.0				10.0	µg/L	EX	EPAB260B
0 Magnesium, total recoverable	4.900				1.000	µg/L	EX	EPAB260B
0 Manganese, total recoverable	14.0				10.0	µg/L	EX	EPAB260B
0 Mercury, total recoverable	<0.500				0.500	µg/L	EX	EPAB260B
0 Methyl ethyl ketone	<10.0				10.0	µg/L	EX	EPAB260B
0 Methyl isobutyl ketone	<5.00				5.00	µg/L	EX	EPAB260B
0 Nickel, total recoverable	<50.0				50.0	µg/L	EX	EPAB260B
0 Nitrate-nitrite as nitrogen	541				500	µg/L	EX	EPAB260B
0 pH	5.65				0.00	pH	EX	EPAB260B
0 Potassium, total recoverable	<5.000				5.000	µg/L	EX	EPAB260B
0 Selenium, total recoverable	<20.0				20.0	µg/L	EX	EPAB260B
0 Silver, total recoverable	<20.0				20.0	µg/L	EX	EPAB260B
0 Sodium, total recoverable	4.200				1.000	µg/L	EX	EPAB260B
0 Specific conductance	97.9				1.00	µS/cm	EX	EPAB260B
0 Sulfate	<5.00				5.00	µg/L	EX	EPAB260B
0 Sulfide	24.300				200	µg/L	EX	EPAB260B
0 1,1,2,2-Tetrachloroethane	<5.00				5.00	µg/L	EX	EPAB260B
2 Tetrachloroethylene	7.90				10.0	µg/L	EX	EPAB260B
0 Thallium, total recoverable	<10.0				10.0	µg/L	EX	EPAB260B
0 Toluene	2.00				5.00	µg/L	EX	EPAB260B
0 Total organic carbon	8.900				5.000	µg/L	EX	EPAB260B
0 Total organic halogens	19.3				120	µg/L	EX	EPAB260B
0 Total organic halogens	16.8				120	µg/L	EX	EPAB260B
0 1,1,1-Trichloroethane	<5.00				5.00	µg/L	EX	EPAB260B
0 1,1,2-Trichloroethane	<5.00				5.00	µg/L	EX	EPAB260B
0 Trichloroethylene	1.00				5.00	µg/L	EX	EPAB260B
0 Vanadium, total recoverable	<10.0				10.0	µg/L	EX	EPAB260B
0 Vinyl acetate	<20.0				20.0	µg/L	EX	EPAB260B
0 Xylenes	<10.0				10.0	µg/L	EX	EPAB260B
0 Zinc, total recoverable	4.80				20.0	µg/L	EX	EPAB260B

**WELL DOB 12**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/03/99  
 Depth to water: 11.88 ft (3.62 m) below TOC  
 Water elevation: 140.12 ft (42.71 m) msl  
 pH: 4.9  
 Sp. conductance: 48 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 6 gal

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acetone	<10.0	U			10.0	µg/L	EX	EPAB260B
0 Aluminum, total recoverable	<200	U			200	µg/L	EX	EPAB260B
0 Antimony, total recoverable	<100	U			100	µg/L	EX	EPAB260B
0 Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPAB260B
0 Barium, total recoverable	22.0	U			10.0	µg/L	EX	EPAB260B
0 Benzene	<5.00	U			5.00	µg/L	EX	EPAB260B
0 Beryllium, total recoverable	0.470	J	I		10.0	µg/L	EX	EPAB260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPAB260B
0 Bromoform	<5.00	U			5.00	µg/L	EX	EPAB260B
0 Bromomethane	<5.00	U			5.00	µg/L	EX	EPAB260B

**ESH-EMS-990521**

Well DOB 12 collected on 06/03/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPAB260B
0 Calcium, total recoverable	2.700	U			1.000	µg/L	EX	EPAB260B
0 Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPAB260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPAB260B
0 Chemical oxygen demand	<10,000	JU	C		10,000	µg/L	EX	EPAB260B
0 Chloride	5.140	JU	L		200	µg/L	EX	EPAB260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPAB260B
0 Chloroethane	<5.00	U			5.00	µg/L	EX	EPAB260B
0 Chloroethene (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPAB260B
0 Chloroform	<5.00	U			5.00	µg/L	EX	EPAB260B
0 Chromium, total recoverable	<5.00	U			5.00	µg/L	EX	EPAB260B
0 Cobalt, total recoverable	<10.0	U			10.0	µg/L	EX	EPAB260B
0 Copper, total recoverable	<20.0	U			20.0	µg/L	EX	EPAB260B
0 Cyanide	5.20	J	I		10.0	µg/L	EX	EPAB260B
0 Dibromochloromethane	<10.0	U			10.0	µg/L	EX	EPAB260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPAB260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPAB260B
0 1,1-Dichloroethene	<5.00	U			5.00	µg/L	EX	EPAB260B
0 1,2-Dichloroethene	<5.00	U			5.00	µg/L	EX	EPAB260B
0 Dichloromethane	<5.00	U			5.00	µg/L	EX	EPAB260B
0 cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPAB260B
0 trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPAB260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPAB260B
0 2-Hexanone	<5.00	U			5.00	µg/L	EX	EPAB260B
0 Iron, total recoverable	<200	U			200	µg/L	EX	EPAB260B
0 Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPAB260B
0 Magnesium, total recoverable	1.300	U			1.000	µg/L	EX	EPAB260B
0 Manganese, total recoverable	38.0	U			10.0	µg/L	EX	EPAB260B
0 Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPAB260B
0 Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPAB260B
0 Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPAB260B
0 Nickel, total recoverable	<50.0	U			50.0	µg/L	EX	EPAB260B
0 Nitrate-nitrite as nitrogen	1.070	J	Q		500	µg/L	EX	EPAB260B
0 pH	5.46	J	Q		0.00	pH	EX	EPAB260B
0 Potassium, total recoverable	<5.000	JU	V		5.000	µg/L	EX	EPAB260B
0 Selenium, total recoverable	<3.80	JU	V		10.0	µg/L	EX	EPAB260B
0 Silver, total recoverable	<20.0	JU	V		20.0	µg/L	EX	EPAB260B
0 Sodium, total recoverable	4.100	U			1.000	µg/L	EX	EPAB260B
0 Specific conductance	51.9	U			1.00	µS/cm	EX	EPAB260B
0 Sulfate	<5.00	U			5.00	µg/L	EX	EPAB260B
0 Sulfide	4.790	U			200	µg/L	EX	EPAB260B
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPAB260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPAB260B
0 Thallium, total recoverable	<10.0	U			10.0	µg/L	EX	EPAB260B
0 Toluene	<5.00	U			5.00	µg/L	EX	EPAB260B
0 Total organic carbon	<5.000	U			5.000	µg/L	EX	EPAB260B
0 Total organic halogens	<120	U			120	µg/L	EX	EPAB260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPAB260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPAB260B
0 Trichloroethylene	<120	U			120	µg/L	EX	EPAB260B
0 Vanadium, total recoverable	<10.0	U			10.0	µg/L	EX	EPAB260B
0 Vinyl acetate	<5.00	U			5.00	µg/L	EX	EPAB260B
0 Xylenes	<10.0	U			10.0	µg/L	EX	EPAB260B
0 Zinc, total recoverable	10.0	J	I		20.0	µg/L	EX	EPAB260B

**WELL FAB 1**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/10/99  
 Depth to water: 99.15 ft (30.22 m) below TOC  
 Water elevation: 228.05 ft (69.51 m) msl  
 pH: 4.8  
 Sp. conductance: 160 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 95 gal

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	130	J	I		146	µg/L	WA	EPA6010B
0 Boron, total recoverable	171	J	I		266	µg/L	WA	EPA6010B
0 Calcium, total recoverable	10,600	U			471	µg/L	WA	EPA6010B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B

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**Second Quarter 1999**

Time: 11:03  
 Water temperature: 22.8°C  
 Air temperature: 36.1°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

Well FAB 1 collected on 06/10/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Chloride	4,770				210	µg/L	WA	EPA9056
0 Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Iron, total recoverable	<68.1	U	V		74.0	µg/L	WA	EPA6010B
0 Magnesium, total recoverable	2,700				74.0	µg/L	WA	EPA6010B
1 Manganese, total recoverable	38.4				7.80	µg/L	WA	EPA6010B
0 Nitrate-nitrite as nitrogen	4,970				200	µg/L	WA	EPA353.2
0 Potassium, total recoverable	3,060				187	µg/L	WA	EPA6010B
0 Silica, total recoverable	7,980				1,350	µg/L	WA	EPA6010B
0 Sodium, total recoverable	10,700				285	µg/L	WA	EPA6010B
0 Sulfate	34,400				3,400	µg/L	WA	EPA9056
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Total dissolved solids	99,000				50,000	µg/L	WA	EPA160.1
0 Total dissolved solids	84,000				50,000	µg/L	WA	EPA160.1
0 Total organic carbon	555	J	I		1,000	µg/L	WA	EPA9060
0 Total organic halogens	<120	J	I		120	µg/L	WA	EPA9020B
0 Total phosphates (as P)	7.34	J	I		67.0	µg/L	WA	EPA365.2
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Nonvolatile beta	1.04E-08±1.61E-09				1.96E-09	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	1.09E-08±1.64E-09				1.96E-09	µCi/mL	TM	EPA900.0M
0 Tritium	4.10E-06±5.10E-07				4.90E-07	µCi/mL	TM	EPA906.0M
0 Tritium	4.11E-06±5.10E-07				4.90E-07	µCi/mL	TM	EPA906.0M

**WELL FAB 2**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/11/99  
 Depth to water: 99.6 ft (30.36 m) below TOC  
 Water elevation: 228.7 ft (69.71 m) msl  
 pH: 6.4  
 Sp. conductance: 120 µS/cm  
 Turbidity: 13 NTU  
 Water evacuated from the well prior to sampling: 3 gal  
 The well went dry during purging.

Time: 11:28  
 Water temperature: 27.5°C  
 Air temperature: 27°C  
 Total alkalinity (as CaCO3): 28 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	201				146	µg/L	WA	EPA6010B
0 Boron, total recoverable	144	J	I		266	µg/L	WA	EPA6010B
0 Calcium, total recoverable	2,290				471	µg/L	WA	EPA6010B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Chloride	3,300				210	µg/L	WA	EPA9056
0 Chloride	3,160				210	µg/L	WA	EPA9056
0 Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
2 Iron, total recoverable	341				74.0	µg/L	WA	EPA6010B
0 Magnesium, total recoverable	660				74.0	µg/L	WA	EPA6010B
0 Manganese, total recoverable	11.3				7.80	µg/L	WA	EPA6010B
0 Potassium, total recoverable	1,390				187	µg/L	WA	EPA6010B
0 Silica, total recoverable	10,200				1,350	µg/L	WA	EPA6010B
0 Sodium, total recoverable	17,500				285	µg/L	WA	EPA6010B
0 Sulfate	16,900				1,700	µg/L	WA	EPA9056
0 Sulfate	16,800				1,700	µg/L	WA	EPA9056
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Total dissolved solids	<50,000	U			50,000	µg/L	WA	EPA160.1
0 Total organic carbon	636	J	I		1,000	µg/L	WA	EPA9060
0 Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0 Total phosphates (as P)	122				67.0	µg/L	WA	EPA365.2
0 Total phosphates (as P)	110				67.0	µg/L	WA	EPA365.2
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Nonvolatile beta	4.40E-10±1.14E-09				1.97E-09	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	2.72E-09±1.28E-09	J	I		2.00E-09	µCi/mL	TM	EPA900.0M
0 Tritium	2.85E-06±4.80E-07				5.50E-07	µCi/mL	TM	EPA906.0M
0 Tritium	2.67E-06±4.70E-07				5.50E-07	µCi/mL	TM	EPA906.0M

**WELL FAB 3**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/16/99  
 Depth to water: 95.2 ft (29.02 m) below TOC  
 Water elevation: 228.4 ft (69.62 m) msl  
 pH: 5.5  
 Sp. conductance: 48 µS/cm  
 Turbidity: 13 NTU  
 Water evacuated from the well prior to sampling: 8 gal  
 The well went dry during purging.

Time: 10:50  
 Water temperature: 21.4°C  
 Air temperature: 28.8°C  
 Total alkalinity (as CaCO3): 8 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	334	J	K	I	146	µg/L	WA	EPA6010B
0 Boron, total recoverable	61.2	J	I		266	µg/L	WA	EPA6010B
0 Calcium, total recoverable	2,100				471	µg/L	WA	EPA6010B
0 Carbon tetrachloride	<1.00	JU	L	I	1.00	µg/L	WA	EPA8021B
0 Carbon tetrachloride	<1.00	JU	L	I	1.00	µg/L	WA	EPA8021B
0 Chloride	2,590				210	µg/L	WA	EPA9056
0 Chloroform	<1.00	JU	L	I	1.00	µg/L	WA	EPA8021B
0 Chloroform	<1.00	JU	L	I	1.00	µg/L	WA	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	JU	L	I	1.00	µg/L	WA	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	JU	L	I	1.00	µg/L	WA	EPA8021B
2 Iron, total recoverable	1,740				74.0	µg/L	WA	EPA6010B
0 Magnesium, total recoverable	866				74.0	µg/L	WA	EPA6010B
0 Potassium, total recoverable	963				187	µg/L	WA	EPA6010B
0 Silica, total recoverable	10,100				1,350	µg/L	WA	EPA6010B
0 Sodium, total recoverable	3,150				285	µg/L	WA	EPA6010B
0 Sulfate	5,620				340	µg/L	WA	EPA9056
0 Tetrachloroethylene	<1.00	JU	L	I	1.00	µg/L	WA	EPA8021B
0 Tetrachloroethylene	<1.00	JU	L	I	1.00	µg/L	WA	EPA8021B
0 Total dissolved solids	38,000	J	I		50,000	µg/L	WA	EPA160.1
0 Total organic carbon	485	J	I		1,000	µg/L	WA	EPA9060
0 Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0 Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0 Total phosphates (as P)	69.8				67.0	µg/L	WA	EPA365.2
0 1,1,1-Trichloroethane	<1.00	JU	L	I	1.00	µg/L	WA	EPA8021B
0 1,1,1-Trichloroethane	<1.00	JU	L	I	1.00	µg/L	WA	EPA8021B
0 Trichloroethylene	<1.00	JU	L	I	1.00	µg/L	WA	EPA8021B
0 Trichloroethylene	<1.00	JU	L	I	1.00	µg/L	WA	EPA8021B
0 Nonvolatile beta	4.47E-09±1.20E-09				1.64E-09	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	5.56E-09±1.26E-09				1.64E-09	µCi/mL	TM	EPA900.0M
0 Tritium	6.15E-06±6.30E-07				6.00E-07	µCi/mL	TM	EPA906.0M
0 Tritium	5.39E-06±6.00E-07				6.00E-07	µCi/mL	TM	EPA906.0M

**WELL FAB 4**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/11/99  
 Depth to water: 97.85 ft (29.83 m) below TOC  
 Water elevation: 228.25 ft (69.57 m) msl  
 pH: 5.4  
 Sp. conductance: 62 µS/cm  
 Turbidity: 7 NTU  
 Water evacuated from the well prior to sampling: 9 gal  
 The well went dry during purging.

Time: 13:30  
 Water temperature: 24.6°C  
 Air temperature: 24.5°C  
 Total alkalinity (as CaCO3): 11 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	139	J	I		146	µg/L	WA	EPA6010B
0 Boron, total recoverable	149	J	I		266	µg/L	WA	EPA6010B
0 Calcium, total recoverable	2,030				471	µg/L	WA	EPA6010B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Chloride	4,020				210	µg/L	WA	EPA9056
0 Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
2 Iron, total recoverable	330				74.0	µg/L	WA	EPA6010B
0 Magnesium, total recoverable	447				74.0	µg/L	WA	EPA6010B
2 Manganese, total recoverable	89.2				7.80	µg/L	WA	EPA6010B
0 Potassium, total recoverable	1,260				187	µg/L	WA	EPA6010B
0 Silica, total recoverable	8,150				1,350	µg/L	WA	EPA6010B
0 Sodium, total recoverable	7,130				285	µg/L	WA	EPA6010B

Well FAB 4 collected on 06/11/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Sulfate	10,700			340		µg/L	WA	EPA9056
0 Tetrachloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0 Total dissolved solids	76,000			50,000		µg/L	WA	EPA160.1
0 Total dissolved solids	77,000			50,000		µg/L	WA	EPA160.1
0 Total organic carbon	352	J	I	1,000		µg/L	WA	EPA9060
0 Total organic halogens	<120	U		120		µg/L	WA	EPA9020B
0 Total phosphates (as P)	22.5	J	I	67.0		µg/L	WA	EPA365.2
0 1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	WA	EPA8021B
0 Trichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0 Nonvolatile beta	1.66E-09±1.16E-09	U		1.88E-09		µCi/mL	TM	EPA900.0M
0 Tritium	3.99E-06±5.40E-07	U		5.70E-07		µCi/mL	TM	EPA906.0M

**WELL FBP 2A**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/14/99  
 Depth to water: 97.32 ft (29.66 m) below TOC  
 Water elevation: 191.78 ft (58.46 m) msl  
 pH: 4.7  
 Sp. conductance: 180 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 88 gal

Time: 14:50  
 Water temperature: 19.7°C  
 Air temperature: 36.5°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1 Aluminum, total recoverable	49.3	J	I	146		µg/L	WA	EPA6010B
0 Arsenic, total recoverable	<40.0	U		40.0		µg/L	WA	EPA6010B
0 Barium, total recoverable	24.4			1.80		µg/L	WA	EPA6010B
0 Cadmium, total recoverable	<4.70	U		4.70		µg/L	WA	EPA6010B
0 Carbon tetrachloride	2.35			1.00		µg/L	WA	EPA8021B
0 Chloroform	<1.00	U		1.00		µg/L	WA	EPA8021B
0 cis-1,2-Dichloroethylene	1.50			1.00		µg/L	WA	EPA8021B
0 Iron, total recoverable	<32.3		V	74.0		µg/L	WA	EPA6010B
0 Lead, total recoverable	<47.0	U		47.0		µg/L	WA	EPA6010B
2 Manganese, total recoverable	90.7			7.80		µg/L	WA	EPA6010B
0 Mercury, total recoverable	<0.700	U		0.700		µg/L	WA	EPA7470A
0 Potassium, total recoverable	1,640			187		µg/L	WA	EPA6010B
0 Selenium, total recoverable	<66.0	U		66.0		µg/L	WA	EPA6010B
0 Silver, total recoverable	<5.00	U		5.00		µg/L	WA	EPA6010B
2 Tetrachloroethylene	18.5			1.00		µg/L	WA	EPA8021B
1 Total organic halogens	76.7	J	I	120		µg/L	WA	EPA9020B
0 1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	WA	EPA8021B
2 Trichloroethylene	23.0			1.00		µg/L	WA	EPA8021B

**WELL FBP 5D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/14/99  
 Depth to water: 87.48 ft (26.66 m) below TOC  
 Water elevation: 204.82 ft (62.43 m) msl  
 pH: 4.7  
 Sp. conductance: 48 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 12 gal

Time: 15:39  
 Water temperature: 20.2°C  
 Air temperature: 36.8°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	64.4	J	I	146		µg/L	WA	EPA6010B
0 Arsenic, total recoverable	<40.0	U		40.0		µg/L	WA	EPA6010B
0 Barium, total recoverable	9.70			1.80		µg/L	WA	EPA6010B
0 Boron, total recoverable	<266	U		266		µg/L	WA	EPA6010B
0 Cadmium, total recoverable	0.520	J	I	4.70		µg/L	WA	EPA6010B
0 Carbon tetrachloride	<1.00	U		1.00		µg/L	WA	EPA8021B
0 Carbon tetrachloride	<1.00	U		1.00		µg/L	WA	EPA8021B
0 Chloroform	<1.00	U		1.00		µg/L	WA	EPA8021B
0 Chloroform	<1.00	U		1.00		µg/L	WA	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0 Fluoride	<53.0	U	V	40.0		µg/L	WA	EPA340.2

Well FBP 5D collected on 06/14/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Iron, total recoverable	112			74.0		µg/L	WA	EPA6010B
0 Lead, total recoverable	<47.0	U		47.0		µg/L	WA	EPA6010B
0 Lithium, total recoverable	1.10	J	I	2.70		µg/L	WA	EPA6010B
0 Manganese, total recoverable	12.9			7.80		µg/L	WA	EPA6010B
0 Mercury, total recoverable	<0.700	U		0.700		µg/L	WA	EPA7470A
0 Potassium, total recoverable	452			187		µg/L	WA	EPA6010B
0 Selenium, total recoverable	<66.0	U		66.0		µg/L	WA	EPA6010B
0 Silver, total recoverable	<5.00	U		5.00		µg/L	WA	EPA6010B
0 Tetrachloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0 Tetrachloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0 Total organic halogens	<120	U		120		µg/L	WA	EPA9020B
0 1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	WA	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	WA	EPA8021B
0 Trichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0 Trichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B

**WELL FBP 6D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/15/99  
 Depth to water: 95.37 ft (29.07 m) below TOC  
 Water elevation: 194.23 ft (59.2 m) msl  
 pH: 5.1  
 Sp. conductance: 67 µS/cm  
 Turbidity: 13 NTU  
 Water evacuated from the well prior to sampling: 8 gal  
 The well went dry during purging.

Time: 8:40  
 Water temperature: 21.9°C  
 Air temperature: 24°C  
 Total alkalinity (as CaCO3): 4 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	122	J	I	146		µg/L	WA	EPA6010B
0 Arsenic, total recoverable	<40.0	U		40.0		µg/L	WA	EPA6010B
0 Barium, total recoverable	15.1			1.80		µg/L	WA	EPA6010B
0 Boron, total recoverable	<266	U		266		µg/L	WA	EPA6010B
0 Cadmium, total recoverable	<4.70	U		4.70		µg/L	WA	EPA6010B
0 Calcium, total recoverable	4,920			471		µg/L	WA	EPA6010B
0 Carbon tetrachloride	<1.00	U		1.00		µg/L	WA	EPA8021B
0 Carbon tetrachloride	<1.00	U		1.00		µg/L	WA	EPA8021B
0 Chloroform	<1.00	U		1.00		µg/L	WA	EPA8021B
0 Chloroform	<1.00	U		1.00		µg/L	WA	EPA8021B
0 Chromium, total recoverable	5.10	J	I	7.00		µg/L	WA	EPA6010B
0 cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0 Fluoride	<36.4	U	V	40.0		µg/L	WA	EPA340.2
2 Iron, total recoverable	320			74.0		µg/L	WA	EPA6010B
0 Lead, total recoverable	<47.0	U		47.0		µg/L	WA	EPA6010B
0 Lithium, total recoverable	5.10			2.70		µg/L	WA	EPA6010B
2 Manganese, total recoverable	51.1			7.80		µg/L	WA	EPA6010B
0 Mercury, total recoverable	<0.700	U		0.700		µg/L	WA	EPA7470A
0 Potassium, total recoverable	916			187		µg/L	WA	EPA6010B
0 Selenium, total recoverable	<66.0	U		66.0		µg/L	WA	EPA6010B
0 Silica, total recoverable	7,850			1,350		µg/L	WA	EPA6010B
0 Silver, total recoverable	<0.530	JU	I	4		µg/L	WA	EPA6010B
0 Sodium, total recoverable	3,470			285		µg/L	WA	EPA6010B
0 Tetrachloroethylene	1.72			1.00		µg/L	WA	EPA8021B
0 Tetrachloroethylene	0.812	J	I	1.00		µg/L	WA	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	WA	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	WA	EPA8021B
2 Trichloroethylene	5.21			1.00		µg/L	WA	EPA8021B
1 Trichloroethylene	3.61			1.00		µg/L	WA	EPA8021B

**WELL FBP 10D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/15/99  
 Depth to water: 84.56 ft (25.77 m) below TOC  
 Water elevation: 201.74 ft (61.49 m) msl  
 pH: 7.5  
 Sp. conductance: 320 µS/cm  
 Turbidity: 43 NTU  
 Water evacuated from the well prior to sampling: 21 gal

Time: 10:11  
 Water temperature: 23°C  
 Air temperature: 25.1°C  
 Total alkalinity (as CaCO3): 92 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VN

Well FBP 10D collected on 06/15/99 (cont.)

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	862				146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chromium, total recoverable	8.00				7.00	µg/L	WA	EPA6010B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
2	Iron, total recoverable	1,770				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
1	Manganese, total recoverable	49.8				7.80	µg/L	WA	EPA6010B
2	Nitrate-nitrite as nitrogen	15,600				1,000	µg/L	WA	EPA353.2
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
2	Trichloroethylene	15.7				1.00	µg/L	WA	EPA8021B

## WELL FBP 13D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/15/99  
 Depth to water: 103.31 ft (31.49 m) below TOC  
 Water elevation: 194.69 ft (59.34 m) msl  
 pH: 4.9  
 Sp. conductance: 44 µS/cm  
 Turbidity: 5 NTU  
 Water evacuated from the well prior to sampling: 15 gal

Time: 10:55  
 Water temperature: 20.7°C  
 Air temperature: 28.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Aluminum, total recoverable	34.3	J	I		146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	9.40				1.80	µg/L	WA	EPA6010B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	1.71				1.00	µg/L	WA	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Fluoride	<27.2	U	V		40.0	µg/L	WA	EPA340.2
0	Iron, total recoverable	117				74.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.900	J	I		2.70	µg/L	WA	EPA6010B
0	Manganese, total recoverable	11.0				7.80	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Potassium, total recoverable	370				187	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
2	Tetrachloroethylene	12.8				1.00	µg/L	WA	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
2	Trichloroethylene	21.3				1.00	µg/L	WA	EPA8021B

## WELL FCB 2

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/09/99  
 Depth to water: 77.6 ft (23.65 m) below TOC  
 Water elevation: 229.7 ft (70.01 m) msl  
 pH: 4.8  
 Sp. conductance: 27 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 57 gal

Time: 9:20  
 Water temperature: 19.5°C  
 Air temperature: 25.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<146	U			146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
2	Iron, total recoverable	1,840				74.0	µg/L	WA	EPA6010B
2	Lead, total recoverable	67.4				47.0	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Total organic carbon	155	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B

ESH-EMS-990521

## WELL FCB 5

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/15/99  
 Depth to water: 75.5 ft (23.01 m) below TOC  
 Water elevation: 228.4 ft (69.62 m) msl  
 pH: 4.7  
 Sp. conductance: 27 µS/cm  
 Turbidity: 6 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 13:05  
 Water temperature: 23.7°C  
 Air temperature: 31.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	133	J	I		146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
2	Iron, total recoverable	734				74.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.780	J	I		2.70	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Total organic carbon	5.660				1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B

## WELL FEX 1TK

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/07/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 4.7  
 Sp. conductance: 710 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 12:45  
 Water temperature: 23.6°C  
 Air temperature: 33.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	23,500				15.0	µg/L	GE	EPA6020
0	Antimony, total recoverable	<0.196	JU	I	4	2.00	µg/L	GE	EPA6020
0	Arsenic, total recoverable	2.39	J	I		3.00	µg/L	GE	EPA6020
0	Barium, total recoverable	340	J	K		2.00	µg/L	GE	EPA6020
0	Benzene	<1.00	JU	X		1.00	µg/L	GE	EPA8260B
1	Beryllium, total recoverable	2.00				0.200	µg/L	GE	EPA6020
0	Bis(2-ethylhexyl) phthalate	<10.4	JU	X		10.4	µg/L	GE	EPA8270C
0	Boron, total recoverable	<15.0	U			15.0	µg/L	GE	EPA6020
0	Bromodichloromethane	<1.00	JU	X		1.00	µg/L	GE	EPA8260B
0	Bromoform	<1.00	JU	X		1.00	µg/L	GE	EPA8260B
0	Bromomethane	<1.00	JU	X		1.00	µg/L	GE	EPA8260B
2	Cadmium, total recoverable	5.61				1.00	µg/L	GE	EPA6020
0	Carbon tetrachloride	<1.00	JU	X		1.00	µg/L	GE	EPA8260B
0	Chlorobenzene	<1.00	JU	X		1.00	µg/L	GE	EPA8260B
0	Chloroethane	<1.00	JU	X		1.00	µg/L	GE	EPA8260B
0	Chloroethene (Vinyl chloride)	<1.00	JU	X		1.00	µg/L	GE	EPA8260B
0	2-Chloroethyl vinyl ether	<5.00	JU	X		5.00	µg/L	GE	EPA8260B
0	Chloroform	<1.00	JU	X		1.00	µg/L	GE	EPA8260B
0	Chloromethane	<1.00	JU	X		1.00	µg/L	GE	EPA8260B
0	Chromium, total recoverable	3.09				3.00	µg/L	GE	EPA6020
2	Cobalt, total recoverable	124				1.00	µg/L	GE	EPA6020
0	Copper, total recoverable	28.2				1.00	µg/L	GE	EPA6020
0	Cyanide	<10.0	U			10.0	µg/L	GE	EPA9012A
0	Cyanide	<10.0	U			10.0	µg/L	GE	EPA9012A
0	Dibromochloromethane	<1.00	JU	X		1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethane	<1.00	JU	X		1.00	µg/L	GE	EPA8260B
0	1,2-Dichloroethane	<1.00	JU	X		1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethylene	<1.00	JU	X		1.00	µg/L	GE	EPA8260B
0	trans-1,2-Dichloroethylene	<1.00	JU	X		1.00	µg/L	GE	EPA8260B
0	Dichloromethane	<3.12	U	V		5.00	µg/L	GE	EPA8260B
0	1,2-Dichloropropane	<1.00	JU	X		1.00	µg/L	GE	EPA8260B
0	cis-1,3-Dichloropropene	<1.00	JU	X		1.00	µg/L	GE	EPA8260B
0	trans-1,3-Dichloropropene	<1.00	JU	X		1.00	µg/L	GE	EPA8260B

B-98

Second Quarter 1999



Well FIN 2TK collected on 04/08/99 (cont.)

Table with columns: F Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists various chemical analytes and their concentrations with associated units and lab methods.

WELL FIN 2TK

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/11/99
Depth to water: Not available
Water elevation: Not available
pH: 3.7
Sp. conductance: 900 µS/cm
Turbidity: 0 NTU
The well was continuously pumping.

Time: 8:00
Water temperature: 22.2°C
Air temperature: 15°C
Total alkalinity (as CaCO3): 0 mg/L
Phenolphthalein alkalinity: 0 mg/L

ANALYSES

Table with columns: F Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Provides detailed analytical results for various elements and compounds.



WELL FRB 2

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/07/99
Depth to water: 49.9 ft (15.21 m) below TOC
Water elevation: 224.5 ft (68.43 m) msl
pH: 4.7
Sp. conductance: 75 µS/cm
Turbidity: 13 NTU
Water evacuated from the well prior to sampling: 48 gal

Time: 10:43
Water temperature: 24.3°C
Air temperature: 31°C
Total alkalinity (as CaCO3): 0 mg/L
Phenolphthalein alkalinity: 0 mg/L
Field Qualifier(s): V

ANALYSES

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists various chemical analytes and their measured values.

Time: 9:18
Water temperature: 22.5°C
Air temperature: 26.3°C
Total alkalinity (as CaCO3): 1 mg/L
Phenolphthalein alkalinity: 0 mg/L
Field Qualifier(s): V

WELL FRB 1

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/07/99
Depth to water: 53.66 ft (16.36 m) below TOC
Water elevation: 226.04 ft (68.9 m) msl
pH: 4.6
Sp. conductance: 41 µS/cm
Turbidity: 1 NTU
Water evacuated from the well prior to sampling: 16 gal

Time: 8:40
Water temperature: 23.6°C
Air temperature: 24.1°C
Total alkalinity (as CaCO3): 0 mg/L
Phenolphthalein alkalinity: 0 mg/L
Field Qualifier(s): V

ANALYSES

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists various chemical analytes and their measured values.

WELL FRB 3

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/07/99
Depth to water: 48.1 ft (14.66 m) below TOC
Water elevation: 224.1 ft (68.31 m) msl
pH: 5.1
Sp. conductance: 59 µS/cm
Turbidity: 0 NTU
Water evacuated from the well prior to sampling: 16 gal

Time: 9:18
Water temperature: 22.5°C
Air temperature: 26.3°C
Total alkalinity (as CaCO3): 1 mg/L
Phenolphthalein alkalinity: 0 mg/L
Field Qualifier(s): V

ANALYSES

Table with columns: F, Analyte, Result, FG, S, EMS, SQL, Unit, Lab, Method. Lists various chemical analytes and their measured values.

Well FRB 3 collected on 06/07/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.370	J	I		2.70	µg/L	WA	EPA6010B
0	Magnesium, total recoverable	520				74.0	µg/L	WA	EPA6010B
0	Manganese, total recoverable	6.80	J	I		7.80	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nitrate-nitrite as nitrogen	3,220				200	µg/L	WA	EPA353.2
0	Potassium, total recoverable	200				187	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silica, total recoverable	6,650				1,350	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sodium, total recoverable	8,850				285	µg/L	WA	EPA6010B
0	Sulfate	2,620				340	µg/L	WA	EPA9056
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Total dissolved solids	36,000	J	I		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	598	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	Total phosphates (as P)	95.8				67.0	µg/L	WA	EPA365.2
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Gross alpha	7.20E-10±6.00E-10	U			8.90E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	8.70E-10±9.80E-10	U			1.65E-09	µCi/mL	TM	EPA900.0M
0	Tritium	6.32E-06±6.20E-07				5.30E-07	µCi/mL	TM	EPA906.0M

**WELL FRB 4**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/04/99  
 Depth to water: 46.81 ft (14.27 m) below TOC  
 Water elevation: 224.29 ft (68.36 m) msl  
 pH: 5  
 Sp. conductance: 49 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 17 gal

Time: 11:24  
 Water temperature: 23.2°C  
 Air temperature: 30.6°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<27.6	U	V		146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	11.5				1.80	µg/L	WA	EPA6010B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Calcium, total recoverable	1,260				471	µg/L	WA	EPA6010B
0	Chloride	3,430				210	µg/L	WA	EPA9056
0	Chromium, total recoverable	<7.00	U			7.00	µg/L	WA	EPA6010B
0	Fluoride	<18.3	U	V		40.0	µg/L	WA	EPA340.2
0	Iron, total recoverable	31.5	J	I		74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.400	J	I		2.70	µg/L	WA	EPA6010B
0	Magnesium, total recoverable	1,040				74.0	µg/L	WA	EPA6010B
0	Manganese, total recoverable	15.4				7.80	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nitrate-nitrite as nitrogen	2,950				200	µg/L	WA	EPA353.2
0	Potassium, total recoverable	214				187	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silica, total recoverable	6,800				1,350	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sodium, total recoverable	4,750				285	µg/L	WA	EPA6010B
0	Sulfate	1,390				340	µg/L	WA	EPA9056
0	Total dissolved solids	28,000	J	I		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	249	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	Total phosphates (as P)	53.5	J	I		67.0	µg/L	WA	EPA365.2
0	Gross alpha	2.05E-09±6.90E-10				1.60E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.19E-09±1.04E-09	J	I		1.51E-09	µCi/mL	TM	EPA900.0M
0	Tritium	5.79E-06±5.70E-07				4.90E-07	µCi/mL	TM	EPA906.0M

**WELL FSB 76**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/05/99  
 Depth to water: 75.61 ft (23.05 m) below TOC  
 Water elevation: 218.59 ft (66.63 m) msl  
 pH: 4.2  
 Sp. conductance: 100 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 66 gal

Time: 13:21  
 Water temperature: 21.9°C  
 Air temperature: 37°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	277				15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	54.4				25.0	µg/L	GE	EPA6020
1	Lead, total recoverable	45.6				2.00	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	10,600				250	µg/L	GE	EPA353.1
0	pH	4.56	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	108				1.00	µS/cm	GE	EPA9050A
1	Gross alpha	9.66E-09±1.50E-09				7.35E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.04E-08±1.13E-09				1.19E-09	µCi/mL	GP	EPIA-001
2	Tritium	3.25E-04±6.40E-06				1.18E-06	µCi/mL	GP	EPIA-002

**WELL FSB 76A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/05/99  
 Depth to water: 138.12 ft (42.1 m) below TOC  
 Water elevation: 155.78 ft (47.48 m) msl  
 pH: 6.4  
 Sp. conductance: 120 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 242 gal

Time: 13:46  
 Water temperature: 21.2°C  
 Air temperature: 31.6°C  
 Total alkalinity (as CaCO3): 39 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<15.0	U			15.0	µg/L	GE	EPA6020
0	Aluminum, total recoverable	<146	U			146	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Iron, total recoverable	38.8				25.0	µg/L	GE	EPA6020
0	Iron, total recoverable	<74.0	U			74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<2.00	U			2.00	µg/L	GE	EPA6020
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Nitrate-nitrite as nitrogen	<10.0	U			50.0	µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	<16.0	U			20.0	µg/L	WA	EPA353.2
0	Nitrate-nitrite as nitrogen	<10.0	U			20.0	µg/L	WA	EPA353.2
0	pH	6.63	J	Q		0.100	pH	GE	EPA9040B
0	pH	6.67	J	Q		0.100	pH	WA	EPA9040B
0	pH	6.67	J	Q		0.100	pH	WA	EPA9040B
0	Specific conductance	118				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	74.0				8.90	µS/cm	WA	EPA9050A
0	Gross alpha	1.12E-09±6.11E-10	J	I		8.47E-10	µCi/mL	GP	EPIA-001
0	Gross alpha	7.80E-10±7.80E-10	U			1.25E-09	µCi/mL	TM	EPA900.0M
0	Gross alpha	5.70E-10±7.40E-10	U			1.25E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.22E-09±5.97E-10	J	I		1.13E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	9.90E-10±1.02E-09	U			1.70E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.44E-09±1.05E-09	U			1.70E-09	µCi/mL	TM	EPA900.0M
0	Tritium	5.80E-08±3.25E-07	U			5.63E-07	µCi/mL	GP	EPIA-002
0	Tritium	2.22E-06±4.50E-07				5.50E-07	µCi/mL	TM	EPA906.0M
0	Tritium	2.05E-06±4.50E-07				5.60E-07	µCi/mL	TM	EPA906.0M

## WELL FSB 76A Replicate

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/05/99  
 Depth to water: 138.12 ft (42.1 m) below TOC  
 Water elevation: 155.78 ft (47.48 m) msl  
 pH: 6.4  
 Sp. conductance: 120 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 242 gal

Time: 13:46  
 Water temperature: 21.2°C  
 Air temperature: 31.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 39 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	11.2	J	I	15.0	µg/L	GE	EPA6020	
0 Cadmium, total recoverable	<1.00	U		1.00	µg/L	GE	EPA6020	
0 Iron, total recoverable	82.5	U		25.0	µg/L	GE	EPA6020	
0 Lead, total recoverable	<2.00	U		2.00	µg/L	GE	EPA6020	
0 Nitrate-nitrite as nitrogen	70.0	J	Q	50.0	µg/L	GE	EPA353.1	
0 pH	6.72	J	Q	0.100	pH	GE	EPA9040B	
0 pH	6.72	J	Q	0.100	pH	GE	EPA9040B	
0 Specific conductance	122			1.00	µS/cm	GE	EPA9050A	
0 Specific conductance	122			1.00	µS/cm	GE	EPA9050A	
0 Gross alpha	2.83E-10±4.35E-10	U		9.29E-10	µCi/mL	GP	EPIA-001	
0 Nonvolatile beta	7.93E-10±6.45E-10	U		1.34E-09	µCi/mL	GP	EPIA-001	
0 Tritium	-1.47E-08±3.25E-07	U		5.70E-07	µCi/mL	GP	EPIA-002	

## WELL FSB 76B

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/05/99  
 Depth to water: 141.81 ft (43.22 m) below TOC  
 Water elevation: 151.99 ft (46.33 m) msl  
 pH: 6.2  
 Sp. conductance: 120 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 111 gal

Time: 12:26  
 Water temperature: 21.6°C  
 Air temperature: 35.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 43 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<15.0	U		15.0	µg/L	GE	EPA6020	
0 Cadmium, total recoverable	<1.00	U		1.00	µg/L	GE	EPA6020	
0 Iron, total recoverable	47.0	U		25.0	µg/L	GE	EPA6020	
0 Lead, total recoverable	<2.00	U		2.00	µg/L	GE	EPA6020	
0 Nitrate-nitrite as nitrogen	540	J	Q	50.0	µg/L	GE	EPA353.1	
0 pH	6.89	J	Q	0.100	pH	GE	EPA9040B	
0 Specific conductance	129			1.00	µS/cm	GE	EPA9050A	
0 Gross alpha	6.69E-10±4.26E-10	J	I	4.34E-10	µCi/mL	GP	EPIA-001	
0 Nonvolatile beta	7.07E-10±6.25E-10	U		1.31E-09	µCi/mL	GP	EPIA-001	
0 Tritium	5.17E-07±3.46E-07	U		5.63E-07	µCi/mL	GP	EPIA-002	

## WELL FSB 76C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/05/99  
 Depth to water: 80.48 ft (24.53 m) below TOC  
 Water elevation: 213.12 ft (64.96 m) msl  
 pH: 5.6  
 Sp. conductance: 50 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 106 gal

Time: 12:36  
 Water temperature: 21.4°C  
 Air temperature: 34.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 6 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	13.4	J	I	15.0	µg/L	GE	EPA6020	
0 Cadmium, total recoverable	<1.00	U		1.00	µg/L	GE	EPA6020	
0 Iron, total recoverable	35.7	U		25.0	µg/L	GE	EPA6020	
0 Lead, total recoverable	<0.954	U	V	2.00	µg/L	GE	EPA6020	
0 Nitrate-nitrite as nitrogen	1,420	J	Q	50.0	µg/L	GE	EPA353.1	
0 pH	5.95	J	Q	0.100	pH	GE	EPA9040B	
0 Specific conductance	50.5			1.00	µS/cm	GE	EPA9050A	
0 Gross alpha	2.84E-10±3.44E-10	U		6.74E-10	µCi/mL	GP	EPIA-001	
0 Nonvolatile beta	8.77E-10±5.97E-10	U		1.21E-09	µCi/mL	GP	EPIA-001	

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Well FSB 76C collected on 04/05/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Tritium	2.53E-06±4.27E-07				5.64E-07	µCi/mL	GP	EPIA-002

## WELL FSB 77

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/08/99  
 Depth to water: 60.45 ft (18.43 m) below TOC  
 Water elevation: 212.85 ft (64.88 m) msl  
 pH: 3.7  
 Sp. conductance: 340 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 34 gal

Time: 9:20  
 Water temperature: 20.3°C  
 Air temperature: 20.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	9,650	J	K	I	15.0	µg/L	GE	EPA6020
1 Cadmium, total recoverable	4.53				1.00	µg/L	GE	EPA6020
0 Iron, total recoverable	<25.0	U			25.0	µg/L	GE	EPA6020
0 Lead, total recoverable	<20.0	U			20.0	µg/L	GE	EPA6020
2 Nitrate-nitrite as nitrogen	29,300	J	Q		1,250	µg/L	GE	EPA353.1
1 pH	3.71	J	Q		0.100	pH	GE	EPA9040B
1 Specific conductance	346				1.00	µS/cm	GE	EPA9050A
1 Specific conductance	344				1.00	µS/cm	GE	EPA9050A
2 Gross alpha	3.70E-07±1.80E-08				1.85E-09	µCi/mL	GP	EPIA-001
2 Gross alpha	3.82E-07±1.86E-08				1.99E-09	µCi/mL	GP	EPIA-001
2 Nonvolatile beta	6.45E-07±1.59E-08				3.70E-09	µCi/mL	GP	EPIA-001
2 Nonvolatile beta	6.32E-07±1.58E-08				3.74E-09	µCi/mL	GP	EPIA-001
2 Tritium	7.12E-04±1.39E-05				1.85E-06	µCi/mL	GP	EPIA-002
2 Tritium	6.99E-04±1.37E-05				1.82E-06	µCi/mL	GP	EPIA-002

## WELL FSB 78

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 63.98 ft (19.5 m) below TOC  
 Water elevation: 208.62 ft (63.59 m) msl  
 pH: 3.3  
 Sp. conductance: 990 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 39 gal

Time: 13:15  
 Water temperature: 20.4°C  
 Air temperature: 31.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	21,700	J	K	I	15.0	µg/L	GE	EPA6020
2 Cadmium, total recoverable	17.7				1.00	µg/L	GE	EPA6020
0 Iron, total recoverable	42.4				25.0	µg/L	GE	EPA6020
0 Lead, total recoverable	<20.0	U			20.0	µg/L	GE	EPA6020
2 Nitrate-nitrite as nitrogen	116,000	J	Q		2,500	µg/L	GE	EPA353.1
1 pH	3.40	J	Q		0.100	pH	GE	EPA9040B
1 pH	3.42	J	Q		0.100	pH	GE	EPA9040B
2 Specific conductance	1,250				1.00	µS/cm	GE	EPA9050A
2 Specific conductance	1,250				1.00	µS/cm	GE	EPA9050A
2 Gross alpha	6.79E-07±3.14E-08				3.87E-09	µCi/mL	GP	EPIA-001
2 Nonvolatile beta	1.94E-06±2.84E-08				3.61E-09	µCi/mL	GP	EPIA-001
2 Tritium	3.75E-03±7.31E-05				4.81E-06	µCi/mL	GP	EPIA-002

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**WELL FSB 78A**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/05/99  
 Depth to water: 115.98 ft (35.35 m) below TOC  
 Water elevation: 156.62 ft (47.74 m) msl  
 pH: 6.2  
 Sp. conductance: 110 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 255 gal

Time: 11:33  
 Water temperature: 20.7°C  
 Air temperature: 33.2°C  
 Total alkalinity (as CaCO3): 32 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Aluminum, total recoverable	30.6				15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	76.7				25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<2.00	U			2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	700				50.0	µg/L	GE	EPA353.1
0	pH	6.86	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	139				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.92E-10±3.44E-10	U			7.58E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.23E-09±6.69E-10	U			1.32E-09	µCi/mL	GP	EPIA-001
1	Tritium	1.18E-05±6.86E-07				5.66E-07	µCi/mL	GP	EPIA-002

**WELL FSB 78B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/15/99  
 Depth to water: 118.03 ft (35.98 m) below TOC  
 Water elevation: 154.77 ft (47.17 m) msl  
 pH: 6.9  
 Sp. conductance: 240 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 165 gal

Time: 9:41  
 Water temperature: 20.5°C  
 Air temperature: 18.5°C  
 Total alkalinity (as CaCO3): 69 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<15.0	U			15.0	µg/L	GE	EPA6020
0	Aluminum, total recoverable	<146	U			146	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Iron, total recoverable	<71.7	U		6	25.0	µg/L	GE	EPA6020
0	Iron, total recoverable	<74.0	U			74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<0.340	JU		46	2.00	µg/L	GE	EPA6020
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
2	Nitrate-nitrite as nitrogen	11,600				250	µg/L	GE	EPA353.1
2	Nitrate-nitrite as nitrogen	11,400				500	µg/L	WA	EPA353.2
2	Nitrate-nitrite as nitrogen	11,200				500	µg/L	WA	EPA353.2
0	pH	7.35	J	Q		0.100	pH	GE	EPA9040B
0	pH	6.98	J	Q		0.100	pH	WA	EPA9040B
0	pH	7.02	J	Q		0.100	pH	WA	EPA9040B
1	Specific conductance	252				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	201				8.90	µS/cm	WA	EPA9050A
0	Gross alpha	1.02E-09±5.24E-10	J	I		6.05E-10	µCi/mL	GP	EPIA-001
0	Gross alpha	1.63E-09±1.23E-09	U			1.82E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.86E-09±6.70E-10	J	K	C	1.08E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.49E-08±1.77E-09				1.92E-09	µCi/mL	TM	EPA900.0M
2	Tritium	2.85E-04±5.61E-06				1.10E-06	µCi/mL	GP	EPIA-002
2	Tritium	2.68E-04±3.66E-06				4.90E-07	µCi/mL	TM	EPA906.0M

**WELL FSB 78B Replicate**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/15/99  
 Depth to water: 118.03 ft (35.98 m) below TOC  
 Water elevation: 154.77 ft (47.17 m) msl  
 pH: 6.9  
 Sp. conductance: 240 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 165 gal

Time: 9:41  
 Water temperature: 20.5°C  
 Air temperature: 18.5°C  
 Total alkalinity (as CaCO3): 69 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	9.40	J	I		15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	<79.8	U		6	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<0.552	U		6	2.00	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	12,100				250	µg/L	GE	EPA353.1
0	pH	7.45	J	Q		0.100	pH	GE	EPA9040B
0	pH	7.45	J	Q		0.100	pH	GE	EPA9040B
1	Specific conductance	255				1.00	µS/cm	GE	EPA9050A
1	Specific conductance	255				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.56E-09±7.68E-10	J	I		1.09E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	5.58E-09±1.02E-09	J	K	C	1.51E-09	µCi/mL	GP	EPIA-001
0	Tritium	-1.50E-07±3.13E-07	U			5.60E-07	µCi/mL	GP	EPIA-002

**WELL FSB 78C**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/09/99  
 Depth to water: 67.21 ft (20.49 m) below TOC  
 Water elevation: 206.29 ft (62.88 m) msl  
 pH: 4.1  
 Sp. conductance: 2,100 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 13:20  
 Water temperature: 20.9°C  
 Air temperature: 25.8°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	33,600	J	K	CI	150	µg/L	GE	EPA6020
2	Cadmium, total recoverable	19.9				1.00	µg/L	GE	EPA6020
2	Iron, total recoverable	377	J	K	C	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	22.8				20.0	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	284,000				5,000	µg/L	GE	EPA353.1
0	pH	4.28	J	Q		0.100	pH	GE	EPA9040B
2	Specific conductance	2,290				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	2.53E-07±1.64E-08				3.36E-09	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	1.57E-06±2.20E-08				4.66E-09	µCi/mL	GP	EPIA-001
2	Tritium	9.27E-03±1.70E-04				7.73E-06	µCi/mL	GP	EPIA-002

**WELL FSB 79**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/12/99  
 Depth to water: 18.2 ft (5.55 m) below TOC  
 Water elevation: 199.6 ft (60.84 m) msl  
 pH: 3.6  
 Sp. conductance: 750 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 45 gal

Time: 9:58  
 Water temperature: 22.1°C  
 Air temperature: 20.1°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	28,200				15.0	µg/L	GE	EPA6020
2	Cadmium, total recoverable	5.47				1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	313				25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<2.00	U			2.00	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	92,500				2,500	µg/L	GE	EPA353.1
1	pH	3.73	J	Q		0.100	pH	GE	EPA9040B
2	Specific conductance	862				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	2.78E-07±1.02E-08				1.13E-09	µCi/mL	GP	EPIA-001

Well FSB 79 collected on 05/12/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Nonvolatile beta	4.78E-07±7.14E-09				1.23E-09	µCi/mL	GP	EPIA-001
2	Tritium	4.02E-03±7.89E-05				5.23E-06	µCi/mL	GP	EPIA-002

**WELL FSB 79A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/05/99  
 Depth to water: 59.6 ft (18.17 m) below TOC  
 Water elevation: 158.5 ft (48.31 m) msl  
 pH: 6.2  
 Sp. conductance: 78 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 295 gal

Time: 15:08  
 Water temperature: 20.5°C  
 Air temperature: 32°C  
 Total alkalinity (as CaCO3): 25 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<15.0		U		15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00		U		1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	23.1		J	I	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<2.00		U		2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	400		J	Q	50.0	µg/L	GE	EPA353.1
0	pH	6.48		J		0.100	pH	GE	EPA9040B
0	Specific conductance	85.6		J		1.00	µS/cm	GE	EPA9050A
0	Gross alpha	4.20E-10±3.75E-10		U		6.26E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.56E-09±6.07E-10		J	I	1.09E-09	µCi/mL	GP	EPIA-001
0	Tritium	8.08E-06±5.95E-07				5.64E-07	µCi/mL	GP	EPIA-002

**WELL FSB 79B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/05/99  
 Depth to water: 59.41 ft (18.11 m) below TOC  
 Water elevation: 158.79 ft (48.4 m) msl  
 pH: 6.6  
 Sp. conductance: 160 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 180 gal

Time: 14:51  
 Water temperature: 20.3°C  
 Air temperature: 31.8°C  
 Total alkalinity (as CaCO3): 56 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<15.0		U		15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00		U		1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	80.2		J		25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<2.00		U		2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	2,910		J	Q	150	µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	2,880		J	Q	150	µg/L	GE	EPA353.1
0	pH	7.16		J		0.100	pH	GE	EPA9040B
0	Specific conductance	178		J		1.00	µS/cm	GE	EPA9050A
0	Gross alpha	5.36E-10±4.73E-10		U		8.02E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.74E-09±7.42E-10		J	I	1.41E-09	µCi/mL	GP	EPIA-001
2	Tritium	3.99E-05±1.16E-06				5.62E-07	µCi/mL	GP	EPIA-002

**WELL FSB 79C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 21.72 ft (6.62 m) below TOC  
 Water elevation: 196.68 ft (59.95 m) msl  
 pH: 3.6  
 Sp. conductance: 1,200 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 62 gal

Time: 14:55  
 Water temperature: 19.2°C  
 Air temperature: 31.5°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	49,800		J	K	15.0	µg/L	GE	EPA6020
2	Cadmium, total recoverable	15.5		J		1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	54.9		J		25.0	µg/L	GE	EPA6020

**ESH-EMS-990521**

Well FSB 79C collected on 04/07/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Lead, total recoverable	<20.0		U		20.0	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	164,000		J		5,000	µg/L	GE	EPA353.1
2	Nitrate-nitrite as nitrogen	151,000		J		5,000	µg/L	GE	EPA353.1
1	pH	3.63		J	Q	0.100	pH	GE	EPA9040B
2	Specific conductance	1,490		J		1.00	µS/cm	GE	EPA9050A
2	Gross alpha	4.87E-07±2.57E-08				2.87E-09	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	1.46E-06±2.43E-08				3.86E-09	µCi/mL	GP	EPIA-001
2	Tritium	6.47E-03±1.23E-04				6.50E-06	µCi/mL	GP	EPIA-002

**WELL FSB 87A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 133.4 ft (40.66 m) below TOC  
 Water elevation: 154.4 ft (47.06 m) msl  
 pH: 6.1  
 Sp. conductance: 92 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 220 gal

Time: 10:01  
 Water temperature: 20.3°C  
 Air temperature: 15.2°C  
 Total alkalinity (as CaCO3): 32 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<15.0		U		15.0	µg/L	GE	EPA6020
0	Aluminum, total recoverable	<146		U		146	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<1.00		U		1.00	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<4.70		U		4.70	µg/L	WA	EPA6010B
0	Iron, total recoverable	26.3		J	I	25.0	µg/L	GE	EPA6020
0	Iron, total recoverable	18.4		J	I	74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<2.00		U		2.00	µg/L	GE	EPA6020
0	Lead, total recoverable	<47.0		U		47.0	µg/L	WA	EPA6010B
0	Nitrate-nitrite as nitrogen	130		J		50.0	µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	114		J		20.0	µg/L	WA	EPA353.2
0	pH	6.49		J	Q	0.100	pH	GE	EPA9040B
0	pH	6.48		J	Q	0.100	pH	GE	EPA9040B
0	pH	6.70		J	Q	0.100	pH	WA	EPA9040B
0	pH	6.66		J	Q	0.100	pH	WA	EPA9040B
0	Specific conductance	105		J		1.00	µS/cm	GE	EPA9050A
0	Specific conductance	105		J		1.00	µS/cm	GE	EPA9050A
0	Specific conductance	73.2		J		8.90	µS/cm	WA	EPA9050A
0	Gross alpha	2.09E-10±3.85E-10		U		8.08E-10	µCi/mL	GP	EPIA-001
0	Gross alpha	1.23E-09±7.70E-10		J	IK	1.02E-09	µCi/mL	TM	EPA900.0M
0	Gross alpha	9.10E-10±6.30E-10		J	IK	8.20E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.85E-09±7.65E-10		J	I	1.34E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.58E-09±9.30E-10		J	I	1.48E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.09E-09±9.60E-10		U		1.57E-09	µCi/mL	TM	EPA900.0M
0	Tritium	1.60E-06±9.89E-07		J		5.58E-07	µCi/mL	GP	EPIA-002
0	Tritium	1.10E-06±3.70E-07		J	I	5.20E-07	µCi/mL	TM	EPA906.0M
0	Tritium	1.12E-06±3.80E-07		J	I	5.30E-07	µCi/mL	TM	EPA906.0M

**WELL FSB 87A Replicate**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 133.4 ft (40.66 m) below TOC  
 Water elevation: 154.4 ft (47.06 m) msl  
 pH: 6.1  
 Sp. conductance: 92 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 220 gal

Time: 10:01  
 Water temperature: 20.3°C  
 Air temperature: 15.2°C  
 Total alkalinity (as CaCO3): 32 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	13.1		J	I	15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00		U		1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	26.6		J		25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<2.00		U		2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	90.0		J		50.0	µg/L	GE	EPA353.1
0	pH	6.57		J	Q	0.100	pH	GE	EPA9040B
0	Specific conductance	95.5		J		1.00	µS/cm	GE	EPA9050A
0	Gross alpha	6.35E-11±3.88E-10		U		9.01E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	9.15E-10±6.64E-10		U		1.35E-09	µCi/mL	GP	EPIA-001
0	Tritium	1.42E-06±3.81E-07		J		5.59E-07	µCi/mL	GP	EPIA-002

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**Second Quarter 1999**

Well FSB 87A collected on 04/06/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Tritium	1.38E-06±3.79E-07			5.59E-07		µCi/mL	GP	EPIA-002

**WELL FSB 87B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 136.45 ft (41.59 m) below TOC  
 Water elevation: 151.05 ft (46.04 m) msl  
 pH: 5.2  
 Sp. conductance: 100 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 119 gal

Time: 8:41  
 Water temperature: 20.4°C  
 Air temperature: 14.6°C  
 Total alkalinity (as CaCO3): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	22.6			15.0		µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U		1.00		µg/L	GE	EPA6020
0	Iron, total recoverable	23.0	J	I	25.0		µg/L	GE	EPA6020
0	Lead, total recoverable	1.71	J	I	2.00		µg/L	GE	EPA6020
1	Nitrate-nitrite as nitrogen	9.900			250		µg/L	GE	EPA353.1
0	pH	5.79	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	117			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	6.29E-10±4.61E-10	U		7.79E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	7.77E-10±5.38E-10	U		1.07E-09		µCi/mL	GP	EPIA-001
2	Tritium	1.51E-04±2.99E-06			7.81E-07		µCi/mL	GP	EPIA-002

**WELL FSB 87C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 78.14 ft (23.82 m) below TOC  
 Water elevation: 209.36 ft (63.81 m) msl  
 pH: 5.3  
 Sp. conductance: 100 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 104 gal

Time: 8:56  
 Water temperature: 20.7°C  
 Air temperature: 14.4°C  
 Total alkalinity (as CaCO3): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	10.4	J	I	15.0		µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U		1.00		µg/L	GE	EPA6020
0	Iron, total recoverable	24.5	J	I	25.0		µg/L	GE	EPA6020
0	Lead, total recoverable	14.1			2.00		µg/L	GE	EPA6020
1	Nitrate-nitrite as nitrogen	9.650			250		µg/L	GE	EPA353.1
0	pH	5.78	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	113			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	1.42E-09±5.40E-10	J	I	6.11E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	3.08E-09±6.74E-10			1.03E-09		µCi/mL	GP	EPIA-001
2	Tritium	6.70E-04±1.31E-05			1.73E-06		µCi/mL	GP	EPIA-002
2	Tritium	6.58E-04±1.29E-05			1.71E-06		µCi/mL	GP	EPIA-002

**WELL FSB 87D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/26/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 3.8  
 Sp. conductance: 80 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 95 gal

Time: 15:02  
 Water temperature: 21.5°C  
 Air temperature: 28.4°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	677	J	K	I	15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	0.805	J	I	1.00		µg/L	GE	EPA6020
0	Iron, total recoverable	22.8	J	IK	CI	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	2.46			2.00		µg/L	GE	EPA6020

**ESH-EMS-990521**

Well FSB 87D collected on 04/26/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Nitrate-nitrite as nitrogen	11,500			250		µg/L	GE	EPA353.1
0	pH	4.20	J	Q	0.100		pH	GE	EPA9040B
0	pH	4.23	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	130			1.00		µS/cm	GE	EPA9050A
2	Gross alpha	8.77E-08±4.07E-09			7.72E-10		µCi/mL	GP	EPIA-001
2	Nonvolatile beta	5.63E-08±2.30E-09			1.22E-09		µCi/mL	GP	EPIA-001
2	Tritium	5.82E-04±4.49E-06			6.36E-07		µCi/mL	GP	EPIA-002

**WELL FSB 88C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 69.78 ft (21.27 m) below TOC  
 Water elevation: 213.22 ft (64.99 m) msl  
 pH: 5  
 Sp. conductance: 43 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 169 gal

Time: 9:46  
 Water temperature: 21°C  
 Air temperature: 20.7°C  
 Total alkalinity (as CaCO3): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<15.3	U	V	15.0		µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U		1.00		µg/L	GE	EPA6020
0	Iron, total recoverable	63.0	J	L	I	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<0.520	JU	I	4	2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	1,580			50.0		µg/L	GE	EPA353.1
0	pH	5.66	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	49.3			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	9.16E-10±4.29E-10	J	I	5.34E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	8.42E-10±4.99E-10	U		9.64E-10		µCi/mL	GP	EPIA-001
1	Tritium	1.06E-05±7.06E-07			6.57E-07		µCi/mL	GP	EPIA-002

**WELL FSB 88D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 65.67 ft (20.02 m) below TOC  
 Water elevation: 216.73 ft (66.06 m) msl  
 pH: 4  
 Sp. conductance: 320 µS/cm  
 Turbidity: 3 NTU  
 Water evacuated from the well prior to sampling: 19 gal

Time: 8:30  
 Water temperature: 19.9°C  
 Air temperature: 14.8°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	9,880			15.0		µg/L	GE	EPA6020
0	Cadmium, total recoverable	1.23			1.00		µg/L	GE	EPA6020
0	Iron, total recoverable	34.1			25.0		µg/L	GE	EPA6020
0	Lead, total recoverable	5.27			2.00		µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	31,000			1,250		µg/L	GE	EPA353.1
1	pH	3.87	J	Q	0.100		pH	GE	EPA9040B
1	Specific conductance	326			1.00		µS/cm	GE	EPA9050A
2	Gross alpha	3.01E-07±8.06E-09			6.14E-10		µCi/mL	GP	EPIA-001
2	Nonvolatile beta	2.67E-07±4.57E-09			1.11E-09		µCi/mL	GP	EPIA-001
2	Tritium	2.29E-04±4.52E-06			9.89E-07		µCi/mL	GP	EPIA-002

**WELL FSB 89C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 68.99 ft (21.03 m) below TOC  
 Water elevation: 212.31 ft (64.71 m) msl  
 pH: 5.4  
 Sp. conductance: 54 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 125 gal

Time: 11:21  
 Water temperature: 20.1°C  
 Air temperature: 19.2°C  
 Total alkalinity (as CaCO3): 8 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

Well FSB 89C collected on 04/06/99 (cont.)

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<15.0	U			15.0	µg/L	GE	EPA6020
0 Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0 Iron, total recoverable	<25.0	U			25.0	µg/L	GE	EPA6020
0 Lead, total recoverable	0.592	J	I		2.00	µg/L	GE	EPA6020
0 Nitrate-nitrite as nitrogen	1.770				50.0	µg/L	GE	EPA353.1
0 pH	5.74	J	Q		0.100	pH	GE	EPA9040B
0 Specific conductance	58.5				1.00	µS/cm	GE	EPA9050A
0 Gross alpha	3.88E-10±3.22E-10	U			5.45E-10	µCi/mL	GP	EPIA-001
0 Nonvolatile beta	6.02E-10±4.79E-10	U			9.65E-10	µCi/mL	GP	EPIA-001
1 Tritium	1.17E-05±6.83E-07				5.69E-07	µCi/mL	GP	EPIA-002

## WELL FSB 89D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 65.2 ft (19.87 m) below TOC  
 Water elevation: 216 ft (65.84 m) msl  
 pH: 4  
 Sp. conductance: 280 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 21 gal

Time: 9:10  
 Water temperature: 19.5°C  
 Air temperature: 15.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	4.210				15.0	µg/L	GE	EPA6020
0 Cadmium, total recoverable	1.81				1.00	µg/L	GE	EPA6020
0 Iron, total recoverable	22.7	J	I		25.0	µg/L	GE	EPA6020
0 Lead, total recoverable	1.95	J	I		2.00	µg/L	GE	EPA6020
2 Nitrate-nitrite as nitrogen	27.000				1.250	µg/L	GE	EPA353.1
1 pH	3.99	J	Q		0.100	pH	GE	EPA9040B
1 Specific conductance	293				1.00	µS/cm	GE	EPA9050A
2 Gross alpha	1.66E-07±5.94E-09				7.00E-10	µCi/mL	GP	EPIA-001
2 Nonvolatile beta	3.69E-07±5.49E-09				1.04E-09	µCi/mL	GP	EPIA-001
2 Tritium	7.35E-04±1.43E-05				1.84E-06	µCi/mL	GP	EPIA-002

## WELL FSB 90C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 67.53 ft (20.58 m) below TOC  
 Water elevation: 210.87 ft (64.27 m) msl  
 pH: 5.5  
 Sp. conductance: 180 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 102 gal

Time: 12:21  
 Water temperature: 20.3°C  
 Air temperature: 22.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 27 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	2,300				15.0	µg/L	GE	EPA6020
0 Cadmium, total recoverable	0.945	J	I		1.00	µg/L	GE	EPA6020
2 Iron, total recoverable	647				25.0	µg/L	GE	EPA6020
0 Lead, total recoverable	5.53				2.00	µg/L	GE	EPA6020
2 Nitrate-nitrite as nitrogen	12,000				500	µg/L	GE	EPA353.1
0 pH	6.64	J	Q		0.100	pH	GE	EPA9040B
0 Specific conductance	247				1.00	µS/cm	GE	EPA9050A
0 Gross alpha	3.03E-09±8.57E-10				9.31E-10	µCi/mL	GP	EPIA-001
0 Nonvolatile beta	1.47E-08±1.23E-09				1.18E-09	µCi/mL	GP	EPIA-001
2 Tritium	3.89E-04±7.66E-06				1.31E-06	µCi/mL	GP	EPIA-002

ESH-EMS-990521

## WELL FSB 90D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/09/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 3.7  
 Sp. conductance: 600 µS/cm  
 Turbidity: 3 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 8:05  
 Water temperature: 18.9°C  
 Air temperature: 21.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	18,700	J	K	I	15.0	µg/L	GE	EPA6020
2 Cadmium, total recoverable	7.11				1.00	µg/L	GE	EPA6020
0 Iron, total recoverable	76.3				25.0	µg/L	GE	EPA6020
0 Lead, total recoverable	20.0				2.00	µg/L	GE	EPA6020
2 Nitrate-nitrite as nitrogen	63,500				2,500	µg/L	GE	EPA353.1
1 pH	3.71	J	Q		0.100	pH	GE	EPA9040B
2 Specific conductance	617				1.00	µS/cm	GE	EPA9050A
2 Gross alpha	5.71E-07±2.52E-08				2.81E-09	µCi/mL	GP	EPIA-001
2 Nonvolatile beta	1.05E-06±2.07E-08				3.64E-09	µCi/mL	GP	EPIA-001
2 Tritium	1.78E-03±3.49E-05				3.11E-06	µCi/mL	GP	EPIA-002

## WELL FSB 91C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 68.2 ft (20.79 m) below TOC  
 Water elevation: 211.1 ft (64.34 m) msl  
 pH: 5.4  
 Sp. conductance: 140 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 13:35  
 Water temperature: 19.1°C  
 Air temperature: 20°C  
 Total alkalinity (as CaCO<sub>3</sub>): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	1,990				15.0	µg/L	GE	EPA6020
1 Cadmium, total recoverable	2.83				1.00	µg/L	GE	EPA6020
0 Iron, total recoverable	112				25.0	µg/L	GE	EPA6020
0 Lead, total recoverable	3.08				2.00	µg/L	GE	EPA6020
2 Nitrate-nitrite as nitrogen	12,300				500	µg/L	GE	EPA353.1
0 pH	5.61	J	Q		0.100	pH	GE	EPA9040B
0 Specific conductance	157				1.00	µS/cm	GE	EPA9050A
2 Gross alpha	2.72E-08±2.45E-09				9.74E-10	µCi/mL	GP	EPIA-001
2 Nonvolatile beta	2.40E-07±4.52E-09				1.31E-09	µCi/mL	GP	EPIA-001
2 Tritium	1.97E-04±3.89E-06				9.09E-07	µCi/mL	GP	EPIA-002

## WELL FSB 91D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 65.56 ft (19.98 m) below TOC  
 Water elevation: 213.64 ft (65.12 m) msl  
 pH: 3.9  
 Sp. conductance: 160 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 24 gal

Time: 9:55  
 Water temperature: 19.8°C  
 Air temperature: 15.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	4,440				15.0	µg/L	GE	EPA6020
0 Cadmium, total recoverable	1.05				1.00	µg/L	GE	EPA6020
0 Iron, total recoverable	42.2				25.0	µg/L	GE	EPA6020
0 Lead, total recoverable	1.14	J	I		2.00	µg/L	GE	EPA6020
2 Nitrate-nitrite as nitrogen	11,800				500	µg/L	GE	EPA353.1
1 pH	3.89	J	Q		0.100	pH	GE	EPA9040B
0 Specific conductance	166				1.00	µS/cm	GE	EPA9050A
2 Gross alpha	8.16E-08±3.56E-09				6.27E-10	µCi/mL	GP	EPIA-001
2 Nonvolatile beta	7.48E-08±2.56E-09				1.14E-09	µCi/mL	GP	EPIA-001

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Second Quarter 1999

Well FSB 91D collected on 04/06/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Tritium	2.35E-04±4.64E-06				9.97E-07	µCi/mL	GP	EPIA-002

**WELL FSB 92C**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/06/99  
 Depth to water: 65.95 ft (20.1 m) below TOC  
 Water elevation: 209.75 ft (63.93 m) msl  
 pH: 5.4  
 Sp. conductance: 290 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 79 gal

Time: 11:22  
 Water temperature: 20°C  
 Air temperature: 18.1°C  
 Total alkalinity (as CaCO3): 9 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	1.040				15.0	µg/L	GE	EPA6020
1	Cadmium, total recoverable	4.43				1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	49.8				25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<0.394	JU	I	4	2.00	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	32,300				1,250	µg/L	GE	EPA353.1
0	pH	5.66	J	Q		0.100	pH	GE	EPA9040B
1	Specific conductance	321				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	3.17E-08±2.78E-09				7.60E-10	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	2.68E-07±4.53E-09				1.15E-09	µCi/mL	GP	EPIA-001
2	Tritium	7.35E-04±1.44E-05				1.84E-06	µCi/mL	GP	EPIA-002

**WELL FSB 92D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/08/99  
 Depth to water: 63.94 ft (19.49 m) below TOC  
 Water elevation: 211.96 ft (64.61 m) msl  
 pH: 3.6  
 Sp. conductance: 910 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 16 gal

Time: 10:05  
 Water temperature: 20.1°C  
 Air temperature: 25.7°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	28,700	J	K	I	15.0	µg/L	GE	EPA6020
2	Cadmium, total recoverable	19.1				1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	37.1				25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	4.94				2.00	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	102,000				2,500	µg/L	GE	EPA353.1
1	pH	3.62	J	Q		0.100	pH	GE	EPA9040B
1	pH	3.61	J	Q		0.100	pH	GE	EPA9040B
2	Specific conductance	920				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	6.26E-07±2.92E-08				3.62E-09	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	1.38E-06±2.40E-08				4.02E-09	µCi/mL	GP	EPIA-001
2	Tritium	3.80E-03±7.34E-05				4.78E-06	µCi/mL	GP	EPIA-002

**WELL FSB 93C**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/06/99  
 Depth to water: 67.5 ft (20.57 m) below TOC  
 Water elevation: 208.7 ft (63.61 m) msl  
 pH: 4.4  
 Sp. conductance: 280 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 205 gal

Time: 13:06  
 Water temperature: 20.4°C  
 Air temperature: 20.5°C  
 Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Aluminum, total recoverable	42.7				15.0	µg/L	GE	EPA6020
1	Aluminum, total recoverable	41.5				146	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<1.56	U		6	1.00	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.30	U		6	4.70	µg/L	WA	EPA6010B

Well FSB 93C collected on 04/06/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Iron, total recoverable	40.3				25.0	µg/L	GE	EPA6020
0	Iron, total recoverable	14.0	J	I		74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<1.04	U		6	2.00	µg/L	GE	EPA6020
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
2	Nitrate-nitrite as nitrogen	31,300				1,250	µg/L	GE	EPA353.1
2	Nitrate-nitrite as nitrogen	31,800				1,250	µg/L	GE	EPA353.1
2	Nitrate-nitrite as nitrogen	32,500				2,000	µg/L	WA	EPA353.2
0	pH	5.00	J	Q		0.100	pH	GE	EPA9040B
0	pH	5.04	J	Q		0.100	pH	WA	EPA9040B
1	Specific conductance	308				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	211				8.90	µS/cm	WA	EPA9050A
0	Gross alpha	4.75E-09±1.05E-09				7.29E-10	µCi/mL	GP	EPIA-001
0	Gross alpha	6.02E-09±1.60E-09	J	K	C	1.21E-09	µCi/mL	TM	EPA900.0M
2	Nonvolatile beta	6.34E-08±2.22E-09				1.02E-09	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	7.92E-08±3.32E-09				1.91E-09	µCi/mL	TM	EPA900.0M
2	Tritium	8.73E-04±1.70E-05				2.02E-06	µCi/mL	GP	EPIA-002
2	Tritium	7.23E-04±6.32E-06				6.00E-07	µCi/mL	TM	EPA906.0M

**WELL FSB 93C Replicate**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/06/99  
 Depth to water: 67.5 ft (20.57 m) below TOC  
 Water elevation: 208.7 ft (63.61 m) msl  
 pH: 4.4  
 Sp. conductance: 280 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 205 gal

Time: 13:06  
 Water temperature: 20.4°C  
 Air temperature: 20.5°C  
 Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Aluminum, total recoverable	49.9				15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.43	U		6	1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	33.7				25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<1.01	U		6	2.00	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	31,300				1,250	µg/L	GE	EPA353.1
2	Nitrate-nitrite as nitrogen	31,300				1,250	µg/L	GE	EPA353.1
0	pH	5.07	J	Q		0.100	pH	GE	EPA9040B
1	Specific conductance	282				1.00	µS/cm	GE	EPA9050A
1	Gross alpha	8.84E-09±1.49E-09				8.56E-10	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	6.33E-08±2.42E-09				1.12E-09	µCi/mL	GP	EPIA-001
2	Tritium	9.42E-04±1.84E-05				2.32E-06	µCi/mL	GP	EPIA-002

**WELL FSB 93D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/12/99  
 Depth to water: 65.67 ft (20.02 m) below TOC  
 Water elevation: 210.43 ft (64.14 m) msl  
 pH: 3.9  
 Sp. conductance: 660 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 8:55  
 Water temperature: 18.8°C  
 Air temperature: 17.4°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	23,800	J	K	Cl	15.0	µg/L	GE	EPA6020
2	Cadmium, total recoverable	12.1				1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	55.7	J	K	C	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	5.38				2.00	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	71,000				2,500	µg/L	GE	EPA353.1
1	pH	3.94	J	Q		0.100	pH	GE	EPA9040B
2	Specific conductance	696				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	1.60E-07±6.56E-09				8.83E-10	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	1.49E-06±1.08E-08				1.19E-09	µCi/mL	GP	EPIA-001
2	Tritium	2.04E-03±3.97E-05				3.30E-06	µCi/mL	GP	EPIA-002

## WELL FSB 94C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/09/99  
 Depth to water: 74.56 ft (22.73 m) below TOC  
 Water elevation: 206.54 ft (62.95 m) msl  
 pH: 4.1  
 Sp. conductance: 2,200 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 12:15  
 Water temperature: 20.1°C  
 Air temperature: 25.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	84,100	J	K	Cl	150	µg/L	GE	EPA6020
2 Cadmium, total recoverable	35.5				1.00	µg/L	GE	EPA6020
2 Iron, total recoverable	438	J	K	C	25.0	µg/L	GE	EPA6020
1 Lead, total recoverable	34.8				20.0	µg/L	GE	EPA6020
2 Nitrate-nitrite as nitrogen	322,000				10,000	µg/L	GE	EPA353.1
0 pH	4.36	J	Q		0.100	pH	GE	EPA9040B
2 Specific conductance	2,660				1.00	µS/cm	GE	EPA9050A
2 Gross alpha	1.49E-07±1.28E-08				3.66E-09	µCi/mL	GP	EPIA-001
2 Nonvolatile beta	2.43E-06±2.74E-08				4.20E-09	µCi/mL	GP	EPIA-001
2 Tritium	1.18E-02±2.11E-04				8.77E-06	µCi/mL	GP	EPIA-002

## WELL FSB 94DR

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 70.92 ft (21.62 m) below TOC  
 Water elevation: 209.58 ft (63.88 m) msl  
 pH: 3.4  
 Sp. conductance: 440 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 50 gal

Time: 12:30  
 Water temperature: 20.7°C  
 Air temperature: 29.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	13,300	J	K	I	15.0	µg/L	GE	EPA6020
0 Cadmium, total recoverable	1.82				1.00	µg/L	GE	EPA6020
0 Iron, total recoverable	59.7				25.0	µg/L	GE	EPA6020
0 Lead, total recoverable	<1.61	U	V		2.00	µg/L	GE	EPA6020
2 Nitrate-nitrite as nitrogen	45,000				5,000	µg/L	GE	EPA353.1
1 pH	3.53	J	Q		0.100	pH	GE	EPA9040B
2 Specific conductance	585				1.00	µS/cm	GE	EPA9050A
2 Gross alpha	5.20E-07±2.33E-08				2.43E-09	µCi/mL	GP	EPIA-001
2 Nonvolatile beta	5.05E-07±1.42E-08				3.40E-09	µCi/mL	GP	EPIA-001
2 Tritium	1.92E-03±3.75E-05				3.24E-06	µCi/mL	GP	EPIA-002

## WELL FSB 95CR

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 77.65 ft (23.67 m) below TOC  
 Water elevation: 206.35 ft (62.9 m) msl  
 pH: 3.7  
 Sp. conductance: 2,000 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 100 gal

Time: 11:58  
 Water temperature: 20.6°C  
 Air temperature: 28°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	66,000	J	K	I	15.0	µg/L	GE	EPA6020
2 Cadmium, total recoverable	19.9				1.00	µg/L	GE	EPA6020
0 Iron, total recoverable	140				25.0	µg/L	GE	EPA6020
0 Lead, total recoverable	<20.0	U			20.0	µg/L	GE	EPA6020
2 Nitrate-nitrite as nitrogen	269,000				6,250	µg/L	GE	EPA353.1
1 pH	3.79	J	Q		0.100	pH	GE	EPA9040B
2 Specific conductance	2,480				1.00	µS/cm	GE	EPA9050A
2 Gross alpha	8.56E-07±6.04E-08				9.39E-09	µCi/mL	GP	EPIA-001
2 Nonvolatile beta	1.93E-06±5.57E-08				1.52E-08	µCi/mL	GP	EPIA-001
2 Tritium	9.42E-03±1.71E-04				7.79E-06	µCi/mL	GP	EPIA-002

ESH-EMS-990521

## WELL FSB 95DR

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 74.42 ft (22.68 m) below TOC  
 Water elevation: 209.68 ft (63.91 m) msl  
 pH: 3.4  
 Sp. conductance: 840 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 42 gal

Time: 9:24  
 Water temperature: 20.4°C  
 Air temperature: 19.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	29,400	J	K	I	15.0	µg/L	GE	EPA6020
0 Cadmium, total recoverable	1.59				1.00	µg/L	GE	EPA6020
1 Iron, total recoverable	161				25.0	µg/L	GE	EPA6020
0 Lead, total recoverable	13.9				2.00	µg/L	GE	EPA6020
2 Nitrate-nitrite as nitrogen	81,500				2,500	µg/L	GE	EPA353.1
1 pH	3.38	J	Q		0.100	pH	GE	EPA9040B
2 Specific conductance	949				1.00	µS/cm	GE	EPA9050A
2 Gross alpha	6.00E-07±2.71E-08				2.69E-09	µCi/mL	GP	EPIA-001
2 Nonvolatile beta	6.72E-07±1.66E-08				3.84E-09	µCi/mL	GP	EPIA-001
2 Tritium	1.52E-03±2.97E-05				2.83E-06	µCi/mL	GP	EPIA-002

## WELL FSB 96AR

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 127.85 ft (38.97 m) below TOC  
 Water elevation: 153.35 ft (46.74 m) msl  
 pH: 6.6  
 Sp. conductance: 170 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 140 gal

Time: 11:49  
 Water temperature: 21.2°C  
 Air temperature: 32.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 58 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<22.8	U	V		15.0	µg/L	GE	EPA6020
0 Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0 Iron, total recoverable	66.6	J	L	I	25.0	µg/L	GE	EPA6020
0 Lead, total recoverable	<2.00	U			2.00	µg/L	GE	EPA6020
0 Nitrate-nitrite as nitrogen	1,610				50.0	µg/L	GE	EPA353.1
0 pH	7.35	J	Q		0.100	pH	GE	EPA9040B
0 Specific conductance	186				1.00	µS/cm	GE	EPA9050A
0 Gross alpha	9.24E-10±5.00E-10	J	I		6.71E-10	µCi/mL	GP	EPIA-001
0 Nonvolatile beta	1.96E-09±6.08E-10	J	I		1.04E-09	µCi/mL	GP	EPIA-001
2 Tritium	2.30E-05±9.53E-07				6.53E-07	µCi/mL	GP	EPIA-002

## WELL FSB 97A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 133.68 ft (40.75 m) below TOC  
 Water elevation: 152.42 ft (46.46 m) msl  
 pH: 6.5  
 Sp. conductance: 260 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 148 gal

Time: 10:46  
 Water temperature: 21°C  
 Air temperature: 24.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 67 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<11.5	U	V		15.0	µg/L	GE	EPA6020
0 Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0 Iron, total recoverable	124	J	L	I	25.0	µg/L	GE	EPA6020
0 Lead, total recoverable	<0.343	JU	I	4	2.00	µg/L	GE	EPA6020
2 Nitrate-nitrite as nitrogen	12,500				1,250	µg/L	GE	EPA353.1
0 pH	7.21	J	Q		0.100	pH	GE	EPA9040B
1 Specific conductance	278				1.00	µS/cm	GE	EPA9050A
0 Gross alpha	2.88E-09±6.40E-10				6.37E-10	µCi/mL	GP	EPIA-001
0 Nonvolatile beta	2.74E-09±5.01E-10				7.54E-10	µCi/mL	GP	EPIA-001
2 Tritium	3.96E-04±7.79E-06				1.46E-06	µCi/mL	GP	EPIA-002

B-110

Second Quarter 1999

**WELL FSB 97C**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/05/99  
 Depth to water: 77.7 ft (23.68 m) below TOC  
 Water elevation: 208.4 ft (63.52 m) msl  
 pH: 3.8  
 Sp. conductance: 1,000 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 82 gal

Time: 13:14  
 Water temperature: 21.4°C  
 Air temperature: 32.1°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	35,000				15.0	µg/L	GE	EPA6020
2	Cadmium, total recoverable	6.38				1.00	µg/L	GE	EPA6020
1	Iron, total recoverable	205	J	L	I	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	3.62	J	I		20.0	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	119,000				2,500	µg/L	GE	EPA353.1
1	pH	3.91	J	Q		0.100	pH	GE	EPA9040B
2	Specific conductance	1,050				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	4.96E-07±2.33E-08	J	K	I	3.36E-09	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	5.75E-07±1.35E-08	J	K	I	3.46E-09	µCi/mL	GP	EPIA-001
2	Trilium	4.12E-03±7.97E-05				5.05E-06	µCi/mL	GP	EPIA-002

**WELL FSB 97D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/07/99  
 Depth to water: 75.21 ft (22.92 m) below TOC  
 Water elevation: 210.79 ft (64.25 m) msl  
 pH: 3.8  
 Sp. conductance: 510 µS/cm  
 Turbidity: 6 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 13:35  
 Water temperature: 20.5°C  
 Air temperature: 33.5°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	13,400	J	K	I	15.0	µg/L	GE	EPA6020
1	Cadmium, total recoverable	3.33				1.00	µg/L	GE	EPA6020
2	Iron, total recoverable	538				25.0	µg/L	GE	EPA6020
2	Lead, total recoverable	60.9				2.00	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	64,000				1,250	µg/L	GE	EPA353.1
1	pH	3.99	J	Q		0.100	pH	GE	EPA9040B
2	Specific conductance	651				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	4.84E-07±1.13E-08				1.08E-09	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	4.81E-07±6.47E-09				1.10E-09	µCi/mL	GP	EPIA-001
2	Trilium	1.36E-03±2.71E-05				3.08E-06	µCi/mL	GP	EPIA-002

**WELL FSB 98AR**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/15/99  
 Depth to water: 132.26 ft (40.31 m) below TOC  
 Water elevation: 151.74 ft (46.25 m) msl  
 pH: 6.8  
 Sp. conductance: 160 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 143 gal

Time: 8:43  
 Water temperature: 20.5°C  
 Air temperature: 17.6°C  
 Total alkalinity (as CaCO3): 61 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<15.0				15.0	µg/L	GE	EPA6020
0	Aluminum, total recoverable	<146				146	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<1.00				1.00	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<4.70				4.70	µg/L	WA	EPA6010B
0	Iron, total recoverable	48.1				25.0	µg/L	GE	EPA6020
0	Iron, total recoverable	<74.0				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<2.00				2.00	µg/L	GE	EPA6020
0	Lead, total recoverable	<47.0				47.0	µg/L	WA	EPA6010B
0	Nitrate-nitrite as nitrogen	2,970				50.0	µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	3,040				100	µg/L	WA	EPA353.2

**ESH-EMS-990521**

**Well FSB 98AR collected on 04/15/99 (cont.)**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	pH	7.15	J	Q		0.100	pH	GE	EPA9040B
0	pH	7.29	J	Q		0.100	pH	WA	EPA9040B
0	Specific conductance	164				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	132				8.90	µS/cm	WA	EPA9050A
0	Specific conductance	132				8.90	µS/cm	WA	EPA9050A
0	Gross alpha	2.15E-10±4.18E-10	U			9.15E-10	µCi/mL	GP	EPIA-001
0	Gross alpha	1.58E-09±9.40E-10	J	IK	C	1.24E-09	µCi/mL	TM	EPA900.0M
0	Gross alpha	8.70E-10±6.70E-10	U			9.50E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.89E-09±6.74E-10	J	IK	C	1.24E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	5.75E-09±1.30E-09				1.73E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.66E-09±9.90E-10	J	I		1.57E-09	µCi/mL	TM	EPA900.0M
2	Trilium	4.70E-05±1.24E-06				5.63E-07	µCi/mL	GP	EPIA-002
2	Trilium	4.55E-05±1.54E-06				5.00E-07	µCi/mL	TM	EPA906.0M
2	Trilium	4.68E-05±1.59E-06				5.20E-07	µCi/mL	TM	EPA906.0M

**WELL FSB 98AR Replicate**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/15/99  
 Depth to water: 132.26 ft (40.31 m) below TOC  
 Water elevation: 151.74 ft (46.25 m) msl  
 pH: 6.8  
 Sp. conductance: 160 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 143 gal

Time: 8:43  
 Water temperature: 20.5°C  
 Air temperature: 17.6°C  
 Total alkalinity (as CaCO3): 61 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<15.0				15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00				1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	50.9				25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<2.00				2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	3,360				100	µg/L	GE	EPA353.1
0	pH	7.28	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	165				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.30E-09±6.23E-10	J	I		7.33E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	4.70E-09±9.22E-10	J	K	C	1.32E-09	µCi/mL	GP	EPIA-001
2	Trilium	4.64E-05±1.23E-06				5.61E-07	µCi/mL	GP	EPIA-002

**WELL FSB 98C**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/12/99  
 Depth to water: 74.71 ft (22.77 m) below TOC  
 Water elevation: 209.79 ft (63.94 m) msl  
 pH: 3.4  
 Sp. conductance: 570 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 107 gal

Time: 9:00  
 Water temperature: 22.4°C  
 Air temperature: 20.8°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	16,400				15.0	µg/L	GE	EPA6020
2	Cadmium, total recoverable	6.23				1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	29.4				25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<2.00				2.00	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	58,800				1,250	µg/L	GE	EPA353.1
1	pH	3.55	J	Q		0.100	pH	GE	EPA9040B
1	pH	3.55	J	Q		0.100	pH	GE	EPA9040B
2	Specific conductance	617				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	3.81E-07±1.18E-08				1.07E-09	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	4.31E-07±6.75E-09				1.35E-09	µCi/mL	GP	EPIA-001
2	Trilium	2.55E-03±4.93E-05				3.93E-06	µCi/mL	GP	EPIA-002

## WELL FSB 98D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/04/99  
 Depth to water: 71.85 ft (21.9 m) below TOC  
 Water elevation: 212.65 ft (64.82 m) msl  
 pH: 6  
 Sp. conductance: 460 µS/cm  
 Turbidity: 3 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 9:05  
 Water temperature: 20°C  
 Air temperature: 19°C  
 Total alkalinity (as CaCO<sub>3</sub>): 46 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	7.620			15.0		µg/L	GE	EPA6020
2 Cadmium, total recoverable	6.11			1.00		µg/L	GE	EPA6020
1 Iron, total recoverable	226			25.0		µg/L	GE	EPA6020
0 Lead, total recoverable	10.4			2.00		µg/L	GE	EPA6020
2 Nitrate-nitrite as nitrogen	45,800			1,250		µg/L	GE	EPA353.1
0 pH	4.69	J	Q	0.100		pH	GE	EPA9040B
1 Specific conductance	440			1.00		µS/cm	GE	EPA9050A
2 Gross alpha	1.54E-07±4.73E-09			8.16E-10		µCi/mL	GP	EPIA-001
2 Gross alpha	1.65E-07±4.94E-09			6.69E-10		µCi/mL	GP	EPIA-001
2 Nonvolatile beta	5.03E-07±4.61E-09			7.30E-10		µCi/mL	GP	EPIA-001
2 Nonvolatile beta	5.28E-07±4.72E-09			7.14E-10		µCi/mL	GP	EPIA-001
2 Tritium	1.02E-03±1.99E-05			2.37E-06		µCi/mL	GP	EPIA-002

## WELL FSB 99A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 136.84 ft (41.71 m) below TOC  
 Water elevation: 150.76 ft (45.95 m) msl  
 pH: 6.6  
 Sp. conductance: 150 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 151 gal

Time: 13:24  
 Water temperature: 21.6°C  
 Air temperature: 28.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 40 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<19.6	U	V	15.0		µg/L	GE	EPA6020
0 Cadmium, total recoverable	<1.00	U		1.00		µg/L	GE	EPA6020
0 Iron, total recoverable	51.1	J	L	25.0		µg/L	GE	EPA6020
0 Lead, total recoverable	<0.319	JU	I	2.00		µg/L	GE	EPA6020
1 Nitrate-nitrite as nitrogen	5,900			250		µg/L	GE	EPA353.1
0 pH	6.91	J	Q	0.100		pH	GE	EPA9040B
0 Specific conductance	169			1.00		µS/cm	GE	EPA9050A
0 Gross alpha	1.11E-09±3.91E-10	J	I	4.78E-10		µCi/mL	GP	EPIA-001
0 Nonvolatile beta	1.65E-09±4.39E-10			7.21E-10		µCi/mL	GP	EPIA-001
2 Tritium	1.66E-04±3.31E-06			9.23E-07		µCi/mL	GP	EPIA-002

## WELL FSB 99C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 77.56 ft (23.64 m) below TOC  
 Water elevation: 210.14 ft (64.05 m) msl  
 pH: 5.4  
 Sp. conductance: 250 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 91 gal

Time: 14:24  
 Water temperature: 19.8°C  
 Air temperature: 21.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 6 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	76.9			15.0		µg/L	GE	EPA6020
0 Cadmium, total recoverable	1.21			1.00		µg/L	GE	EPA6020
0 Iron, total recoverable	46.1			25.0		µg/L	GE	EPA6020
0 Lead, total recoverable	1.85			2.00		µg/L	GE	EPA6020
2 Nitrate-nitrite as nitrogen	39,000			1,250		µg/L	GE	EPA353.1
0 pH	5.49	J	Q	0.100		pH	GE	EPA9040B
1 Specific conductance	279			1.00		µS/cm	GE	EPA9050A
2 Gross alpha	2.48E-08±2.38E-09			6.78E-10		µCi/mL	GP	EPIA-001

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Well FSB 99C collected on 04/06/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Nonvolatile beta	6.84E-08±2.31E-09			1.13E-09		µCi/mL	GP	EPIA-001
2 Tritium	7.89E-04±1.56E-05			1.94E-06		µCi/mL	GP	EPIA-002

## WELL FSB 99D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 73.8 ft (22.49 m) below TOC  
 Water elevation: 213.8 ft (65.17 m) msl  
 pH: 4.7  
 Sp. conductance: 34 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 54 gal

Time: 13:17  
 Water temperature: 22.3°C  
 Air temperature: 29°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	122			15.0		µg/L	GE	EPA6020
0 Cadmium, total recoverable	<1.00	J		1.00		µg/L	GE	EPA6020
0 Iron, total recoverable	33.3	J	L	25.0		µg/L	GE	EPA6020
0 Lead, total recoverable	5.94			2.00		µg/L	GE	EPA6020
0 Nitrate-nitrite as nitrogen	1,860			50.0		µg/L	GE	EPA353.1
0 Nitrate-nitrite as nitrogen	1,790			50.0		µg/L	GE	EPA353.1
0 pH	4.95	J	Q	0.100		pH	GE	EPA9040B
0 Specific conductance	38.8			1.00		µS/cm	GE	EPA9050A
1 Gross alpha	8.26E-09±8.27E-10			3.49E-10		µCi/mL	GP	EPIA-001
1 Gross alpha	8.77E-09±8.43E-10			3.50E-10		µCi/mL	GP	EPIA-001
0 Nonvolatile beta	1.04E-08±7.33E-10			7.09E-10		µCi/mL	GP	EPIA-001
0 Nonvolatile beta	9.96E-09±7.13E-10			6.69E-10		µCi/mL	GP	EPIA-001
2 Tritium	7.68E-05±1.65E-06			6.57E-07		µCi/mL	GP	EPIA-002

## WELL FSB100A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 134.2 ft (40.9 m) below TOC  
 Water elevation: 151.8 ft (46.27 m) msl  
 pH: 6.5  
 Sp. conductance: 140 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 185 gal

Time: 12:21  
 Water temperature: 22.1°C  
 Air temperature: 29.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 44 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<12.6	U	V	15.0		µg/L	GE	EPA6020
0 Cadmium, total recoverable	<1.00	U		1.00		µg/L	GE	EPA6020
0 Iron, total recoverable	101	J	L	25.0		µg/L	GE	EPA6020
0 Lead, total recoverable	<2.00	U		2.00		µg/L	GE	EPA6020
0 Nitrate-nitrite as nitrogen	3,800			250		µg/L	GE	EPA353.1
0 pH	7.13	J	Q	0.100		pH	GE	EPA9040B
0 Specific conductance	175			1.00		µS/cm	GE	EPA9050A
0 Gross alpha	1.39E-09±5.73E-10	J	I	6.27E-10		µCi/mL	GP	EPIA-001
0 Nonvolatile beta	2.06E-09±6.38E-10	J	I	1.13E-09		µCi/mL	GP	EPIA-001
2 Tritium	6.78E-05±1.56E-06			6.63E-07		µCi/mL	GP	EPIA-002

## WELL FSB101A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: 133.2 ft (40.6 m) below TOC  
 Water elevation: 152 ft (46.33 m) msl  
 pH: 6.8  
 Sp. conductance: 150 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 107 gal

Time: 8:38  
 Water temperature: 20.9°C  
 Air temperature: 23.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 55 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<15.0	U		15.0		µg/L	GE	EPA6020
0 Cadmium, total recoverable	<1.00	U		1.00		µg/L	GE	EPA6020
0 Iron, total recoverable	45.9			25.0		µg/L	GE	EPA6020

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Well FSB101A collected on 04/12/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Lead, total recoverable	<2.00		U		2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	1,550				50.0	µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	1,500				50.0	µg/L	GE	EPA353.1
0	pH	7.33	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	159				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	5.04E-10±4.74E-10	U			8.65E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.96E-09±6.75E-10	J	I		1.19E-09	µCi/mL	GP	EPIA-001
0	Tritium	-1.49E-07±3.97E-07	U			7.03E-07	µCi/mL	GP	EPIA-002

## WELL FSB102C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 5.9 ft (1.8 m) below TOC  
 Water elevation: 195.2 ft (59.5 m) msl  
 pH: 4.8  
 Sp. conductance: 200 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 72 gal

Time: 13:14  
 Water temperature: 17.7°C  
 Air temperature: 19.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	336				15.0	µg/L	GE	EPA6020
1	Cadmium, total recoverable	3.21				1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	20.1	J	I		25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<2.00	U			2.00	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	21,000				1,250	µg/L	GE	EPA353.1
0	pH	4.72	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	219				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	219				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	4.46E-09±9.76E-10				7.60E-10	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	2.18E-07±4.04E-09				1.03E-09	µCi/mL	GP	EPIA-001
2	Tritium	4.29E-04±8.44E-06				1.37E-06	µCi/mL	GP	EPIA-002

## WELL FSB103C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: 40.45 ft (12.33 m) below TOC  
 Water elevation: 201.95 ft (61.56 m) msl  
 pH: 5.6  
 Sp. conductance: 240 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 96 gal

Time: 11:46  
 Water temperature: 20.6°C  
 Air temperature: 25.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 8 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	9.27	J	IK	I	15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<0.344	JU	I	4	1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	64.8				25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<1.09	U	V		2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	1,050				50.0	µg/L	GE	EPA353.1
0	pH	5.85	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	245				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	5.81E-10±4.65E-10	U			7.26E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.66E-08±1.39E-09				1.30E-09	µCi/mL	GP	EPIA-001
2	Tritium	5.80E-04±1.14E-05				1.89E-06	µCi/mL	GP	EPIA-002

## WELL FSB104C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 18.65 ft (5.68 m) below TOC  
 Water elevation: 200.45 ft (61.1 m) msl  
 pH: 4.5  
 Sp. conductance: 440 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 117 gal

Time: 13:07  
 Water temperature: 19.9°C  
 Air temperature: 28.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<53.1		U	V	15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<0.727	JU	I	4	1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	116	J	L	I	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	0.611	J	I		2.00	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	49,800				1,250	µg/L	GE	EPA353.1
0	pH	5.17	J	Q		0.100	pH	GE	EPA9040B
1	Specific conductance	462				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.70E-09±7.22E-10	J	I		8.39E-10	µCi/mL	GP	EPIA-001
1	Nonvolatile beta	3.00E-08±1.57E-09				1.03E-09	µCi/mL	GP	EPIA-001
2	Tritium	1.03E-03±2.01E-05				2.44E-06	µCi/mL	GP	EPIA-002

## WELL FSB104D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/04/99  
 Depth to water: 16.98 ft (5.18 m) below TOC  
 Water elevation: 202.22 ft (61.64 m) msl  
 pH: 3.8  
 Sp. conductance: 230 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 22 gal

Time: 10:35  
 Water temperature: 17.5°C  
 Air temperature: 23.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	9,250				15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	2.32				1.00	µg/L	GE	EPA6020
1	Iron, total recoverable	201				25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<2.00	U			2.00	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	23,000				1,250	µg/L	GE	EPA353.1
1	pH	3.90	J	Q		0.100	pH	GE	EPA9040B
1	Specific conductance	269				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	1.97E-07±6.82E-09				7.18E-10	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	2.25E-07±5.15E-09				1.29E-09	µCi/mL	GP	EPIA-001
2	Tritium	6.62E-04±1.30E-05				1.76E-06	µCi/mL	GP	EPIA-002

## WELL FSB105C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/05/99  
 Depth to water: 77.82 ft (23.72 m) below TOC  
 Water elevation: 207.98 ft (63.39 m) msl  
 pH: 3.5  
 Sp. conductance: 1,100 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 94 gal

Time: 10:48  
 Water temperature: 20.3°C  
 Air temperature: 25.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	37,800				15.0	µg/L	GE	EPA6020
2	Cadmium, total recoverable	15.0				1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	120	J	L	I	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<20.0	U			20.0	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	131,000				2,500	µg/L	GE	EPA353.1
1	pH	3.52	J	Q		0.100	pH	GE	EPA9040B
2	Specific conductance	1,190				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	4.70E-07±2.18E-08	J	K	I	2.84E-09	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	7.63E-07±1.53E-08	J	K	I	3.09E-09	µCi/mL	GP	EPIA-001
2	Tritium	4.76E-03±9.32E-05				5.57E-06	µCi/mL	GP	EPIA-002

## WELL FSB105DR

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 74.91 ft (22.83 m) below TOC  
 Water elevation: 210.69 ft (64.22 m) msl  
 pH: 4.2  
 Sp. conductance: 68 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 36 gal

Time: 15:05  
 Water temperature: 19.9°C  
 Air temperature: 21.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	385				15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00		U		1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	<25.0		U		25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	1.03		J		2.00	µg/L	GE	EPA6020
1	Nitrate-nitrite as nitrogen	5,520				100	µg/L	GE	EPA353.1
0	pH	4.20		J		0.100	pH	GE	EPA9040B
0	Specific conductance	68.2				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	68.6				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	5.20E-08±3.30E-09				8.00E-10	µCi/mL	GP	EPIA-001
2	Gross alpha	5.93E-08±3.50E-09				6.77E-10	µCi/mL	GP	EPIA-001
1	Nonvolatile beta	3.06E-08±1.62E-09				1.13E-09	µCi/mL	GP	EPIA-001
1	Nonvolatile beta	3.20E-08±1.66E-09				1.21E-09	µCi/mL	GP	EPIA-001
2	Tritium	5.09E-05±1.30E-06				5.70E-07	µCi/mL	GP	EPIA-002

## WELL FSB106C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 34.05 ft (10.38 m) below TOC  
 Water elevation: 201.05 ft (61.28 m) msl  
 pH: 5.3  
 Sp. conductance: 470 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 73 gal

Time: 12:21  
 Water temperature: 18.4°C  
 Air temperature: 19.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	4,070				15.0	µg/L	GE	EPA6020
2	Cadmium, total recoverable	8.54				1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	71.2		U		25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<2.00				2.00	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	60,500				2,500	µg/L	GE	EPA353.1
0	pH	5.14		J		0.100	pH	GE	EPA9040B
2	Specific conductance	522				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	4.58E-08±3.89E-09				1.20E-09	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	5.64E-07±6.90E-09				1.11E-09	µCi/mL	GP	EPIA-001
2	Tritium	1.01E-03±1.98E-05				2.20E-06	µCi/mL	GP	EPIA-002

## WELL FSB106D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/26/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 6.2  
 Sp. conductance: 80 µS/cm  
 Turbidity: 4 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 13:40  
 Water temperature: 21.2°C  
 Air temperature: 26.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 33 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	206		J		15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<0.426		JU		1.00	µg/L	GE	EPA6020
1	Iron, total recoverable	280		J		25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	18.6				2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	940				50.0	µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	960				50.0	µg/L	GE	EPA353.1
0	pH	6.59		J		0.100	pH	GE	EPA9040B

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Well FSB106D collected on 04/26/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Specific conductance	86.2				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.62E-09±6.43E-10		J		8.46E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	3.70E-09±8.39E-10				1.38E-09	µCi/mL	GP	EPIA-001
1	Tritium	1.98E-05±8.84E-07				6.13E-07	µCi/mL	GP	EPIA-002

## WELL FSB107C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 60 ft (18.29 m) below TOC  
 Water elevation: 210.9 ft (64.28 m) msl  
 pH: 5.8  
 Sp. conductance: 140 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 102 gal

Time: 15:41  
 Water temperature: 20.7°C  
 Air temperature: 31.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 31 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<56.4		U		15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<0.286		JU		1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	164		J		25.0	µg/L	GE	EPA6020
1	Lead, total recoverable	<2.00		U		2.00	µg/L	GE	EPA6020
1	Nitrate-nitrite as nitrogen	7,500				250	µg/L	GE	EPA353.1
0	pH	6.43		J		0.100	pH	GE	EPA9040B
0	Specific conductance	163				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.61E-09±5.81E-10		J		5.57E-10	µCi/mL	GP	EPIA-001
1	Nonvolatile beta	3.08E-08±1.58E-09				1.11E-09	µCi/mL	GP	EPIA-001
2	Tritium	1.04E-04±2.10E-06				7.28E-07	µCi/mL	GP	EPIA-002

## WELL FSB107D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/04/99  
 Depth to water: 56.38 ft (17.18 m) below TOC  
 Water elevation: 214.62 ft (65.42 m) msl  
 pH: 3.7  
 Sp. conductance: 270 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 22 gal

Time: 9:53  
 Water temperature: 19.3°C  
 Air temperature: 21°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	6,050				15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	1.35				1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	26.0				25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	1.02		J		2.00	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	24,300				1,250	µg/L	GE	EPA353.1
2	Nitrate-nitrite as nitrogen	25,000				1,250	µg/L	GE	EPA353.1
1	pH	3.86		J		0.100	pH	GE	EPA9040B
1	pH	3.86		J		0.100	pH	GE	EPA9040B
1	Specific conductance	282				1.00	µS/cm	GE	EPA9050A
1	Specific conductance	283				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	3.12E-07±8.97E-09				1.04E-09	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	4.31E-07±6.97E-09				1.34E-09	µCi/mL	GP	EPIA-001
2	Tritium	7.66E-04±1.50E-05				1.92E-06	µCi/mL	GP	EPIA-002

## WELL FSB108D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: 79.53 ft (24.24 m) below TOC  
 Water elevation: 218.47 ft (66.59 m) msl  
 pH: 5  
 Sp. conductance: 31 µS/cm  
 Turbidity: 3 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 13:50  
 Water temperature: 20.8°C  
 Air temperature: 27.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 4 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

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Well FSB108D collected on 04/12/99 (cont.)

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	68.5	J	K	I	15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	63.2				25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	8.90				2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	1,070				50.0	µg/L	GE	EPA353.1
0	pH	5.66	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	33.0				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.19E-09±5.54E-10	J	I		6.45E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.15E-09±6.00E-10	U			1.16E-09	µCi/mL	GP	EPIA-001
1	Tritium	1.12E-05±7.34E-07				6.97E-07	µCi/mL	GP	EPIA-002

## WELL FSB109D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 78.47 ft (23.92 m) below TOC  
 Water elevation: 214.63 ft (65.42 m) msl  
 pH: 5.4  
 Sp. conductance: 32 µS/cm  
 Turbidity: 5 NTU  
 Water evacuated from the well prior to sampling: 24 gal

Time: 14:16  
 Water temperature: 22.6°C  
 Air temperature: 30.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<34.1	U	V		15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	100	J	L	I	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	3.95				2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	1,470				50.0	µg/L	GE	EPA353.1
0	pH	5.72	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	35.3				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	35.1				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	7.41E-10±4.16E-10	J	I		6.17E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.28E-09±5.44E-10	J	I		1.01E-09	µCi/mL	GP	EPIA-001
0	Tritium	9.07E-06±6.65E-07				6.52E-07	µCi/mL	GP	EPIA-002

## WELL FSB110C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: 33.89 ft (10.33 m) below TOC  
 Water elevation: 200.61 ft (61.15 m) msl  
 pH: 5.5  
 Sp. conductance: 730 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 125 gal

Time: 9:55  
 Water temperature: 21°C  
 Air temperature: 20.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 6 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	72.5	J	K	CI	15.0	µg/L	GE	EPA6020
1	Cadmium, total recoverable	3.14				1.00	µg/L	GE	EPA6020
1	Iron, total recoverable	206	J	K	C	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	1.22	J	I		2.00	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	87,000				5,000	µg/L	GE	EPA353.1
2	Nitrate-nitrite as nitrogen	88,000				5,000	µg/L	GE	EPA353.1
0	pH	5.93	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	797				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	5.01E-09±1.25E-09				8.62E-10	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	1.17E-07±3.09E-09				1.15E-09	µCi/mL	GP	EPIA-001
2	Tritium	1.88E-03±3.68E-05				3.18E-06	µCi/mL	GP	EPIA-002

## WELL FSB110D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/05/99  
 Depth to water: 29.55 ft (9.01 m) below TOC  
 Water elevation: 204.95 ft (62.47 m) msl  
 pH: 3.6  
 Sp. conductance: 390 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 21 gal

Time: 14:00  
 Water temperature: 20.3°C  
 Air temperature: 33.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	9,530				15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	1.70				1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	59.1	J	K	C	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<0.546	U	V		2.00	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	59,500				1,250	µg/L	GE	EPA353.1
1	pH	3.48	J	Q		0.100	pH	GE	EPA9040B
2	Specific conductance	630				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	2.70E-07±1.57E-08	J	K	I	2.62E-09	µCi/mL	GP	EPIA-001
2	Gross alpha	3.11E-07±1.75E-08	J	K	I	1.85E-09	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	3.00E-07±9.55E-09	J	K	I	2.87E-09	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	3.11E-07±9.98E-09	J	K	I	3.11E-09	µCi/mL	GP	EPIA-001
2	Tritium	2.45E-03±4.75E-05				3.70E-06	µCi/mL	GP	EPIA-002

## WELL FSB111C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/05/99  
 Depth to water: 63.9 ft (19.48 m) below TOC  
 Water elevation: 212.4 ft (64.74 m) msl  
 pH: 5.7  
 Sp. conductance: 58 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 97 gal

Time: 9:26  
 Water temperature: 20.5°C  
 Air temperature: 19.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 8 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<15.0	U			15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	64.5				25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<0.373	U	V		2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	1,910				50.0	µg/L	GE	EPA353.1
0	pH	5.81	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	59.0				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	5.84E-12±2.13E-10	U			6.16E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	3.79E-10±5.46E-10	U			1.19E-09	µCi/mL	GP	EPIA-001
0	Tritium	4.96E-06±5.07E-07				5.62E-07	µCi/mL	GP	EPIA-002

## WELL FSB111D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/05/99  
 Depth to water: 60.85 ft (18.55 m) below TOC  
 Water elevation: 215.75 ft (65.76 m) msl  
 pH: 5  
 Sp. conductance: 44 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 24 gal

Time: 9:10  
 Water temperature: 20.4°C  
 Air temperature: 19.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	23.6				15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	55.3				25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	5.79				2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	2,540				50.0	µg/L	GE	EPA353.1
0	pH	5.13	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	45.1				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.66E-09±6.36E-10	J	I		5.70E-10	µCi/mL	GP	EPIA-001
0	Gross alpha	6.85E-10±4.40E-10	J	I		5.99E-10	µCi/mL	GP	EPIA-001

Well FSB111D collected on 04/05/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Nonvolatile beta	2.19E-09±7.19E-10	J	I		1.26E-09	µCl/mL	GP	EPIA-001
0	Nonvolatile beta	1.48E-09±7.04E-10	J	I		1.33E-09	µCl/mL	GP	EPIA-001
2	Tritium	2.37E-04±4.68E-06				9.92E-07	µCl/mL	GP	EPIA-002

**WELL FSB112A**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: 75.62 ft (23.05 m) below TOC  
 Water elevation: 153.48 ft (46.78 m) msl  
 pH: 6.5  
 Sp. conductance: 150 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 128 gal

Time: 10:51  
 Water temperature: 19.9°C  
 Air temperature: 23.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 37 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	53.4	J	K	CI	15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	94.5	J	K	C	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<2.00	U			2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	2.710				50.0	µg/L	GE	EPA353.1
0	pH	6.92	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	170				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	9.90E-10±5.43E-10	J	I		7.44E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.33E-09±1.12E-09				1.07E-09	µCl/mL	GP	EPIA-001
2	Tritium	7.38E-05±1.55E-06				5.73E-07	µCi/mL	GP	EPIA-002

**WELL FSB112C**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/09/99  
 Depth to water: 28.33 ft (8.64 m) below TOC  
 Water elevation: 200.77 ft (61.2 m) msl  
 pH: 4.2  
 Sp. conductance: 1,700 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 110 gal

Time: 14:11  
 Water temperature: 19.5°C  
 Air temperature: 24.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	28,600	J	K	CI	150	µg/L	GE	EPA6020
2	Cadmium, total recoverable	44.0				1.00	µg/L	GE	EPA6020
2	Iron, total recoverable	339	J	K	C	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<20.0	U			20.0	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	223,000				5,000	µg/L	GE	EPA353.1
0	pH	4.60	J	Q		0.100	pH	GE	EPA9040B
2	Specific conductance	1,940				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	1.81E-07±1.34E-08				2.95E-09	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	1.91E-06±2.40E-08				4.57E-09	µCl/mL	GP	EPIA-001
2	Tritium	6.69E-03±1.25E-04				6.45E-06	µCi/mL	GP	EPIA-002

**WELL FSB112D**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: 24.5 ft (7.47 m) below TOC  
 Water elevation: 205.1 ft (62.52 m) msl  
 pH: 4  
 Sp. conductance: 220 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 32 gal

Time: 8:35  
 Water temperature: 18.7°C  
 Air temperature: 16.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	7,510	J	K	I	15.0	µg/L	GE	EPA6020
1	Cadmium, total recoverable	3.55				1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	64.6				25.0	µg/L	GE	EPA6020

**ESH-EMS-990521**

Well FSB112D collected on 04/12/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Lead, total recoverable	2.47				2.00	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	20,000				1,250	µg/L	GE	EPA353.1
1	pH	3.88	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	220				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	221				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	5.56E-08±3.65E-09				6.73E-10	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	5.84E-07±7.59E-09				1.30E-09	µCl/mL	GP	EPIA-001
2	Tritium	3.93E-04±7.75E-06				1.53E-06	µCl/mL	GP	EPIA-002

**WELL FSB113A**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/05/99  
 Depth to water: 63.6 ft (19.39 m) below TOC  
 Water elevation: 159.6 ft (48.65 m) msl  
 pH: 11.4  
 Sp. conductance: 2,200 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 10:50  
 Water temperature: 19.7°C  
 Air temperature: 26.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 473 mg/L  
 Phenolphthalein alkalinity: 458 mg/L  
 Field Qualifier(s): SXH

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	1,260				15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
1	Iron, total recoverable	255				25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<0.555	U	V		2.00	µg/L	GE	EPA6020
1	Nitrate-nitrite as nitrogen	5,500				100	µg/L	GE	EPA353.1
2	pH	11.8	J	Q		0.100	pH	GE	EPA9040B
2	Specific conductance	1,540				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.73E-09±8.74E-10	J	I		8.66E-10	µCi/mL	GP	EPIA-001
0	Gross alpha	1.94E-09±1.02E-09	J	I		1.28E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	4.01E-09±8.65E-10				1.30E-09	µCl/mL	GP	EPIA-001
0	Nonvolatile beta	3.99E-09±9.34E-10				1.42E-09	µCl/mL	GP	EPIA-001
2	Tritium	1.07E-04±2.13E-06				6.56E-07	µCi/mL	GP	EPIA-002

**WELL FSB113C**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/05/99  
 Depth to water: 20.54 ft (6.28 m) below TOC  
 Water elevation: 202.36 ft (61.68 m) msl  
 pH: 6.6  
 Sp. conductance: 130 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 74 gal

Time: 10:25  
 Water temperature: 21.4°C  
 Air temperature: 24.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 27 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	61.8				15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	65.5				25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<0.485	U	V		2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	4,720				100	µg/L	GE	EPA353.1
0	pH	6.64	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	135				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	2.54E-10±3.85E-10	U	I		7.88E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.67E-09±6.57E-10	J	I		1.20E-09	µCl/mL	GP	EPIA-001
2	Tritium	5.34E-05±1.33E-06				5.65E-07	µCi/mL	GP	EPIA-002

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## WELL FSB113D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/05/99  
 Depth to water: 15.79 ft (4.81 m) below TOC  
 Water elevation: 206.71 ft (63.01 m) msl  
 pH: 4.7  
 Sp. conductance: 26 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 33 gal

Time: 10:16  
 Water temperature: 20.1°C  
 Air temperature: 23.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Aluminum, total recoverable	37.5			15.0		µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U		1.00		µg/L	GE	EPA6020
0	Iron, total recoverable	35.9		V	25.0		µg/L	GE	EPA6020
0	Lead, total recoverable	<0.916	U	V	2.00		µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	610			50.0		µg/L	GE	EPA353.1
0	pH	4.97	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	24.5			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	8.34E-10±4.12E-10	J	I	5.21E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	4.05E-10±5.32E-10	U		1.12E-09		µCi/mL	GP	EPIA-001
0	Tritium	6.65E-06±5.57E-07			5.64E-07		µCi/mL	GP	EPIA-002

## WELL FSB114A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/05/99  
 Depth to water: 96.2 ft (29.32 m) below TOC  
 Water elevation: 155.8 ft (47.49 m) msl  
 pH: 7.3  
 Sp. conductance: 180 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 125 gal

Time: 11:58  
 Water temperature: 21.9°C  
 Air temperature: 32.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 64 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	17.2			15.0		µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U		1.00		µg/L	GE	EPA6020
0	Iron, total recoverable	121			25.0		µg/L	GE	EPA6020
0	Lead, total recoverable	<2.00	U		2.00		µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	2,080			100		µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	1,940			100		µg/L	GE	EPA353.1
0	pH	7.91	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	196			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	5.57E-10±5.00E-10	U		9.27E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.18E-09±6.09E-10	J	I	1.16E-09		µCi/mL	GP	EPIA-001
0	Tritium	8.38E-07±3.60E-07	J	I	5.63E-07		µCi/mL	GP	EPIA-002

## WELL FSB114C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/05/99  
 Depth to water: 38.83 ft (11.84 m) below TOC  
 Water elevation: 213.37 ft (65.04 m) msl  
 pH: 5.3  
 Sp. conductance: 49 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 123 gal

Time: 11:51  
 Water temperature: 21.1°C  
 Air temperature: 32.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	86.5			15.0		µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U		1.00		µg/L	GE	EPA6020
0	Iron, total recoverable	129			25.0		µg/L	GE	EPA6020
0	Lead, total recoverable	<3.05	U	V	2.00		µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	2,080			50.0		µg/L	GE	EPA353.1
0	pH	5.70	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	49.8			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	1.19E-09±5.08E-10	J	I	6.57E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.09E-09±6.07E-10	U		1.18E-09		µCi/mL	GP	EPIA-001
0	Tritium	2.57E-06±4.28E-07			5.63E-07		µCi/mL	GP	EPIA-002

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## WELL FSB114D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/05/99  
 Depth to water: 36.51 ft (11.13 m) below TOC  
 Water elevation: 215.69 ft (65.74 m) msl  
 pH: 4.7  
 Sp. conductance: 46 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 54 gal

Time: 12:17  
 Water temperature: 20.2°C  
 Air temperature: 32.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Aluminum, total recoverable	41.9			15.0		µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U		1.00		µg/L	GE	EPA6020
0	Iron, total recoverable	20.8	J	I	25.0		µg/L	GE	EPA6020
0	Lead, total recoverable	<3.51	U	V	2.00		µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	2,290			50.0		µg/L	GE	EPA353.1
0	pH	5.19	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	48.4			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	1.73E-09±5.80E-10	J	I	6.26E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.15E-09±5.82E-10	J	I	1.10E-09		µCi/mL	GP	EPIA-001
0	Tritium	6.08E-06±5.39E-07			5.62E-07		µCi/mL	GP	EPIA-002

## WELL FSB115C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 23.26 ft (7.09 m) below TOC  
 Water elevation: 184.54 ft (56.25 m) msl  
 pH: 5.9  
 Sp. conductance: 19 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 9:45  
 Water temperature: 18.1°C  
 Air temperature: 15.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Aluminum, total recoverable	28.8			15.0		µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U		1.00		µg/L	GE	EPA6020
0	Iron, total recoverable	43.6			25.0		µg/L	GE	EPA6020
0	Lead, total recoverable	3.07			2.00		µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	540			50.0		µg/L	GE	EPA353.1
0	pH	5.80	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	20.0			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	3.13E-10±3.04E-10	U		5.58E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	7.07E-10±5.11E-10	U		1.02E-09		µCi/mL	GP	EPIA-001
0	Tritium	7.09E-06±5.64E-07			5.62E-07		µCi/mL	GP	EPIA-002

## WELL FSB115D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 17.3 ft (5.27 m) below TOC  
 Water elevation: 191.2 ft (58.28 m) msl  
 pH: 4.9  
 Sp. conductance: 15 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 15 gal

Time: 10:16  
 Water temperature: 22°C  
 Air temperature: 15.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	61.5			15.0		µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U		1.00		µg/L	GE	EPA6020
0	Iron, total recoverable	29.3			25.0		µg/L	GE	EPA6020
0	Lead, total recoverable	6.06			2.00		µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	150			50.0		µg/L	GE	EPA353.1
0	pH	5.11	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	15.1			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	7.47E-10±3.83E-10	J	I	5.03E-10		µCi/mL	GP	EPIA-001

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Well FSB115D collected on 04/06/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Nonvolatile beta	7.79E-10±4.92E-10	U			9.60E-10	µCi/mL	GP	EPIA-001
0	Tritium	7.29E-06±5.73E-07				5.67E-07	µCi/mL	GP	EPIA-002

**WELL FSB116C**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 13.05 ft (3.98 m) below TOC  
 Water elevation: 189.45 ft (57.75 m) msl  
 pH: 4.8  
 Sp. conductance: 21 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 72 gal

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	69.8				15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	51.2				25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	2.36				2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	780				50.0	µg/L	GE	EPA353.1
0	pH	5.22	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	20.1				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	7.47E-10±3.90E-10	J	I		5.13E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	4.97E-10±4.93E-10	U			1.02E-09	µCi/mL	GP	EPIA-001
0	Tritium	9.20E-06±6.15E-07				5.57E-07	µCi/mL	GP	EPIA-002

**WELL FSB116D**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 11.2 ft (3.41 m) below TOC  
 Water elevation: 191.7 ft (58.43 m) msl  
 pH: 5.2  
 Sp. conductance: 27 µS/cm  
 Turbidity: 14 NTU  
 Water evacuated from the well prior to sampling: 5 gal  
 The well went dry during purging.

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	520				15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
2	Iron, total recoverable	861				25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	13.4				2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	370				50.0	µg/L	GE	EPA353.1
0	pH	5.52	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	26.3				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	6.78E-10±4.13E-10	J	I		6.39E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	8.23E-10±5.87E-10	U			1.18E-09	µCi/mL	GP	EPIA-001
0	Tritium	9.45E-06±6.27E-07				5.65E-07	µCi/mL	GP	EPIA-002

**WELL FSB117D**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/09/99  
 Depth to water: 26.54 ft (8.09 m) below TOC  
 Water elevation: 204.16 ft (62.23 m) msl  
 pH: 3.7  
 Sp. conductance: 300 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 35 gal

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	8,860	J	K	I	15.0	µg/L	GE	EPA6020
1	Cadmium, total recoverable	3.45				1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	62.0				25.0	µg/L	GE	EPA6020

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Well FSB117D collected on 04/09/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Lead, total recoverable	<0.777	U	V		2.00	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	27,000				1,250	µg/L	GE	EPA353.1
1	pH	3.67	J	Q		0.100	pH	GE	EPA9040B
1	Specific conductance	321				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	5.20E-07±2.22E-08				1.70E-09	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	5.46E-07±1.50E-08				3.31E-09	µCi/mL	GP	EPIA-001
2	Tritium	6.25E-04±1.23E-05				1.73E-06	µCi/mL	GP	EPIA-002

**WELL FSB118D**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 32.09 ft (9.78 m) below TOC  
 Water elevation: 211.21 ft (64.38 m) msl  
 pH: 4.6  
 Sp. conductance: 28 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 82 gal

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<50.6	U	V		15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	66.4	J	L	I	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	3.64				2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	850				50.0	µg/L	GE	EPA353.1
0	pH	5.09	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	28.7				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.27E-09±4.92E-10	J	I		5.29E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.25E-09±6.15E-10	J	I		1.19E-09	µCi/mL	GP	EPIA-001
0	Tritium	6.59E-06±6.03E-07				6.57E-07	µCi/mL	GP	EPIA-002

**WELL FSB119D**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/09/99  
 Depth to water: 46.41 ft (14.15 m) below TOC  
 Water elevation: 207.69 ft (63.3 m) msl  
 pH: 3.6  
 Sp. conductance: 900 µS/cm  
 Turbidity: 121 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	34,800	J	K	I	15.0	µg/L	GE	EPA6020
2	Cadmium, total recoverable	7.47				1.00	µg/L	GE	EPA6020
2	Iron, total recoverable	13,800				25.0	µg/L	GE	EPA6020
1	Lead, total recoverable	29.9				2.00	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	103,000				2,500	µg/L	GE	EPA353.1
1	pH	3.69	J	Q		0.100	pH	GE	EPA9040B
2	Specific conductance	888				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	1.26E-06±4.23E-08				3.25E-09	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	1.29E-06±2.33E-08				4.16E-09	µCi/mL	GP	EPIA-001
2	Tritium	3.69E-03±7.02E-05				4.64E-06	µCi/mL	GP	EPIA-002

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## WELL FSB120A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 100.39 ft (30.6 m) below TOC  
 Water elevation: 179.71 ft (54.78 m) msl  
 pH: 11.5  
 Sp. conductance: 2,400 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 9:06  
 Water temperature: 18.4°C  
 Air temperature: 15.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 461 mg/L  
 Phenolphthalein alkalinity: 448 mg/L  
 Field Qualifier(s): SXH

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	1,200			15.0		µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U		1.00		µg/L	GE	EPA6020
0	Iron, total recoverable	501			25.0		µg/L	GE	EPA6020
0	Lead, total recoverable	2.48			2.00		µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	25,500			1,250		µg/L	GE	EPA353.1
2	pH	12.1	J	Q	0.100		pH	GE	EPA9040B
2	pH	12.1	J	Q	0.100		pH	GE	EPA9040B
2	Specific conductance	2,960			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	4.36E-09±1.21E-09			1.13E-09		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.32E-08±1.57E-09			1.40E-09		µCi/mL	GP	EPIA-001
2	Tritium	5.61E-04±1.10E-05			1.58E-06		µCi/mL	GP	EPIA-002

## WELL FSB120C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 73.65 ft (22.45 m) below TOC  
 Water elevation: 206.05 ft (62.8 m) msl  
 pH: 6.2  
 Sp. conductance: 280 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 105 gal

Time: 8:15  
 Water temperature: 19.6°C  
 Air temperature: 14.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 11 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	54.4			15.0		µg/L	GE	EPA6020
0	Cadmium, total recoverable	<0.466	JU	I	4		µg/L	GE	EPA6020
0	Iron, total recoverable	46.9			25.0		µg/L	GE	EPA6020
0	Lead, total recoverable	<0.396	JU	I	4		µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	27,800			1,250		µg/L	GE	EPA353.1
0	pH	6.55	J	Q	0.100		pH	GE	EPA9040B
1	Specific conductance	279			1.00		µS/cm	GE	EPA9050A
2	Gross alpha	2.06E-08±2.21E-09			8.92E-10		µCi/mL	GP	EPIA-001
1	Nonvolatile beta	3.61E-08±1.86E-09			1.12E-09		µCi/mL	GP	EPIA-001
2	Tritium	6.56E-04±1.28E-05			1.73E-06		µCi/mL	GP	EPIA-002

## WELL FSB120D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 71 ft (21.64 m) below TOC  
 Water elevation: 209.5 ft (63.86 m) msl  
 pH: 7.9  
 Sp. conductance: 36 µS/cm  
 Turbidity: 3 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 9:17  
 Water temperature: 18.7°C  
 Air temperature: 15.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 8 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	12.8	J	I	15.0		µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U		1.00		µg/L	GE	EPA6020
0	Iron, total recoverable	112			25.0		µg/L	GE	EPA6020
0	Lead, total recoverable	2.58			2.00		µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	40.0	J	I	50.0		µg/L	GE	EPA353.1
0	pH	6.35	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	35.7			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	9.24E-10±4.74E-10	J	I	6.80E-10		µCi/mL	GP	EPIA-001

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Well FSB120D collected on 04/06/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Nonvolatile beta	9.15E-10±6.14E-10	U		1.22E-09		µCi/mL	GP	EPIA-001
1	Tritium	1.78E-05±7.97E-07			5.56E-07		µCi/mL	GP	EPIA-002

## WELL FSB121C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: 52.5 ft (16 m) below TOC  
 Water elevation: 204 ft (62.18 m) msl  
 pH: 5.6  
 Sp. conductance: 49 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 134 gal

Time: 13:34  
 Water temperature: 20.5°C  
 Air temperature: 28.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 7 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Aluminum, total recoverable	27.1	J	K	CI	15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U	K		1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	38.9			C	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	0.611	J	I		2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	2,550				50.0	µg/L	GE	EPA353.1
0	pH	6.18	J	Q		0.100	pH	GE	EPA9040B
0	pH	6.19	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	64.3				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.64E-09±5.82E-10	J	I		5.50E-10	µCi/mL	GP	EPIA-001
0	Gross alpha	1.43E-09±5.06E-10				3.66E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	4.29E-09±7.86E-10				1.21E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	4.69E-09±7.38E-10				9.83E-10	µCi/mL	GP	EPIA-001
2	Tritium	1.01E-04±2.03E-06				6.49E-07	µCi/mL	GP	EPIA-002
2	Tritium	1.02E-04±2.05E-06				6.53E-07	µCi/mL	GP	EPIA-002

## WELL FSB121DR

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 48.45 ft (14.77 m) below TOC  
 Water elevation: 207.05 ft (63.11 m) msl  
 pH: 4.4  
 Sp. conductance: 32 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 15:40  
 Water temperature: 20°C  
 Air temperature: 30.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	669				15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
1	Iron, total recoverable	171	J	L	I	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	21.3				2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	2,480				100	µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	2,480				100	µg/L	GE	EPA353.1
0	pH	4.92	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	31.9				1.00	µS/cm	GE	EPA9050A
1	Gross alpha	8.05E-09±1.17E-09				4.14E-10	µCi/mL	GP	EPIA-001
1	Nonvolatile beta	3.16E-08±1.60E-09				9.76E-10	µCi/mL	GP	EPIA-001
1	Tritium	1.24E-05±7.46E-07				6.56E-07	µCi/mL	GP	EPIA-002

## WELL FSB122C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 18.77 ft (5.72 m) below TOC  
 Water elevation: 199.23 ft (60.73 m) msl  
 pH: 4.2  
 Sp. conductance: 460 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 119 gal

Time: 11:18  
 Water temperature: 19.2°C  
 Air temperature: 22.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

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Well FSB122C collected on 04/07/99 (cont.)

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	728				15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	1.02				1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	130	J	L	I	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	0.684	J	I		2.00	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	54.300				1,250	µg/L	GE	EPA353.1
0	pH	4.48	J	Q		0.100	pH	GE	EPA9040B
0	pH	4.47	J	Q		0.100	pH	GE	EPA9040B
1	Specific conductance	497				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	1.61E-08±2.16E-09				1.09E-09	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	6.83E-08±2.38E-09				1.21E-09	µCi/mL	GP	EPIA-001
2	Tritium	1.44E-03±2.81E-05				2.94E-06	µCi/mL	GP	EPIA-002

## WELL FSB122D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 14.9 ft (4.54 m) below TOC  
 Water elevation: 202.7 ft (61.78 m) msl  
 pH: 4.5  
 Sp. conductance: 180 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 45 gal

Time: 11:05  
 Water temperature: 19.3°C  
 Air temperature: 21.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	256				15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00				1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	95.1	J	L	I	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	3.16				2.00	µg/L	GE	EPA6020
2	Nitrate-nitrite as nitrogen	18,800				1,250	µg/L	GE	EPA353.1
0	pH	4.85	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	191				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	4.05E-09±9.17E-10				6.38E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.45E-08±1.45E-09				1.16E-09	µCi/mL	GP	EPIA-001
2	Tritium	4.83E-04±9.51E-06				1.62E-06	µCi/mL	GP	EPIA-002

## WELL FSB123C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 27.95 ft (8.52 m) below TOC  
 Water elevation: 210.15 ft (64.05 m) msl  
 pH: 5.4  
 Sp. conductance: 64 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 103 gal

Time: 9:43  
 Water temperature: 20°C  
 Air temperature: 19.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 8 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<16.7	U	V		15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	51.2	J	L	I	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<0.349	JU	I	4	2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	2,980				100	µg/L	GE	EPA353.1
0	pH	5.89	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	69.8				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	3.89E-10±3.16E-10	U			5.07E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.23E-09±5.75E-10	J	I		1.09E-09	µCi/mL	GP	EPIA-001
0	Tritium	1.76E-06±4.40E-07				6.42E-07	µCi/mL	GP	EPIA-002
0	Tritium	2.50E-06±4.73E-07				6.53E-07	µCi/mL	GP	EPIA-002

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## WELL FSB123D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 26.6 ft (8.11 m) below TOC  
 Water elevation: 211.5 ft (64.47 m) msl  
 pH: 4.6  
 Sp. conductance: 41 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 44 gal

Time: 9:30  
 Water temperature: 19.1°C  
 Air temperature: 19°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<56.9	U	V		15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	102	J	L	I	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	1.86	J	I		2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	1,990				50.0	µg/L	GE	EPA353.1
0	pH	4.91	J	Q		0.100	pH	GE	EPA9040B
0	pH	4.92	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	43.6				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	43.3				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.34E-09±5.24E-10	J	I		5.75E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	6.61E-10±5.18E-10	U			1.05E-09	µCi/mL	GP	EPIA-001
0	Tritium	7.70E-06±6.55E-07				7.07E-07	µCi/mL	GP	EPIA-002

## WELL FSL 1D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/28/99  
 Depth to water: 85.48 ft (26.36 m) below TOC  
 Water elevation: 224.32 ft (68.37 m) msl  
 pH: 4  
 Sp. conductance: 60 µS/cm  
 Turbidity: 8 NTU  
 Water evacuated from the well prior to sampling: 1 gal

Time: 9:51  
 Water temperature: 22.2°C  
 Air temperature: 22.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	766				15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	1.27				1.00	µg/L	GE	EPA6020
2	Iron, total recoverable	548				25.0	µg/L	GE	EPA6020
2	Lead, total recoverable	67.8				2.00	µg/L	GE	EPA6020
1	Nitrate-nitrite as nitrogen	6,000				150	µg/L	GE	EPA353.1
0	pH	4.64	J	Q		0.100	pH	GE	EPA9040B
0	pH	4.63	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	70.7				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	7.07E-09±1.31E-09				7.18E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	5.85E-09±9.54E-10				1.32E-09	µCi/mL	GP	EPIA-001
2	Tritium	8.32E-05±1.74E-06				6.60E-07	µCi/mL	GP	EPIA-002

## WELL FSL 2D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: 80.7 ft (24.6 m) below TOC  
 Water elevation: 225.1 ft (68.61 m) msl  
 pH: 6.4  
 Sp. conductance: 90 µS/cm  
 Turbidity: 10 NTU  
 Water evacuated from the well prior to sampling: 1 gal

Time: 14:05  
 Water temperature: 23.1°C  
 Air temperature: 27.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 29 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	332	J	K	I	15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<0.249	JU	I	4	1.00	µg/L	GE	EPA6020
2	Iron, total recoverable	511				25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	6.25				2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	730				50.0	µg/L	GE	EPA353.1
0	pH	6.13	J	Q		0.100	pH	GE	EPA9040B
0	pH	6.15	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	97.2				1.00	µS/cm	GE	EPA9050A

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Second Quarter 1999

**ANALYTICAL RESULTS**

Well FSL 2D collected on 04/12/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Gross alpha	4.84E-09±1.08E-09			5.80E-10		µCi/mL	GP	EPIA-001
0 Nonvolatile beta	6.38E-09±9.34E-10			1.00E-09		µCi/mL	GP	EPIA-001
0 Tritium	6.67E-06±6.18E-07			6.93E-07		µCi/mL	GP	EPIA-002

**WELL FSL 3D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: 79.15 ft (24.13 m) below TOC  
 Water elevation: 222.85 ft (67.93 m) msl  
 pH: 6.2  
 Sp. conductance: 80 µS/cm  
 Turbidity: 6 NTU  
 Water evacuated from the well prior to sampling: 16 gal

Time: 13:30  
 Water temperature: 28.7°C  
 Air temperature: 32.7°C  
 Total alkalinity (as CaCO3): 26 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	132	J	K	I	15.0	µg/L	GE	EPA6020
0 Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
1 Iron, total recoverable	213				25.0	µg/L	GE	EPA6020
0 Lead, total recoverable	<1.78	U	V		2.00	µg/L	GE	EPA6020
0 Nitrate-nitrite as nitrogen	2,530				50.0	µg/L	GE	EPA353.1
0 pH	6.77	J	Q		0.100	pH	GE	EPA9040B
0 Specific conductance	95.7				1.00	µS/cm	GE	EPA9050A
0 Gross alpha	1.58E-09±6.04E-10	J	I		7.17E-10	µCi/mL	GP	EPIA-001
0 Nonvolatile beta	3.13E-09±7.11E-10				1.16E-09	µCi/mL	GP	EPIA-001
2 Tritium	3.07E-05±1.09E-06				6.96E-07	µCi/mL	GP	EPIA-002

**WELL FSL 4D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: 76.19 ft (23.22 m) below TOC  
 Water elevation: 217.91 ft (66.42 m) msl  
 pH: 4.5  
 Sp. conductance: 40 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 1 gal

Time: 14:35  
 Water temperature: 23.7°C  
 Air temperature: 29.1°C  
 Total alkalinity (as CaCO3): 4 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	159	J	K	I	15.0	µg/L	GE	EPA6020
0 Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0 Iron, total recoverable	57.3				25.0	µg/L	GE	EPA6020
0 Lead, total recoverable	13.0				2.00	µg/L	GE	EPA6020
0 Nitrate-nitrite as nitrogen	1,810				50.0	µg/L	GE	EPA353.1
0 Nitrate-nitrite as nitrogen	1,780				50.0	µg/L	GE	EPA353.1
0 pH	5.77	J	Q		0.100	pH	GE	EPA9040B
0 Specific conductance	55.6				1.00	µS/cm	GE	EPA9050A
0 Gross alpha	1.27E-09±5.13E-10	J	I		5.67E-10	µCi/mL	GP	EPIA-001
0 Nonvolatile beta	2.62E-09±6.78E-10				1.15E-09	µCi/mL	GP	EPIA-001
0 Tritium	4.20E-06±5.45E-07				6.90E-07	µCi/mL	GP	EPIA-002

**WELL FSL 5D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: 70.81 ft (21.58 m) below TOC  
 Water elevation: 220.99 ft (67.36 m) msl  
 pH: 6  
 Sp. conductance: 190 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 6 gal

Time: 9:35  
 Water temperature: 22.8°C  
 Air temperature: 23.5°C  
 Total alkalinity (as CaCO3): 35 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	261	J	K	I	15.0	µg/L	GE	EPA6020
0 Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020

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Well FSL 5D collected on 04/12/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Iron, total recoverable	112			25.0		µg/L	GE	EPA6020
0 Lead, total recoverable	5.98			2.00		µg/L	GE	EPA6020
2 Nitrate-nitrite as nitrogen	11,500			1,250		µg/L	GE	EPA353.1
0 pH	5.93	J	Q	0.100		pH	GE	EPA9040B
0 Specific conductance	190			1.00		µS/cm	GE	EPA9050A
0 Gross alpha	6.38E-09±1.18E-09			6.88E-10		µCi/mL	GP	EPIA-001
2 Nonvolatile beta	7.70E-08±2.48E-09			1.21E-09		µCi/mL	GP	EPIA-001
2 Tritium	1.51E-04±3.01E-06			9.27E-07		µCi/mL	GP	EPIA-002

**WELL FSL 6D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: 66 ft (20.12 m) below TOC  
 Water elevation: 220.2 ft (67.12 m) msl  
 pH: 4.8  
 Sp. conductance: 140 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 21 gal

Time: 14:51  
 Water temperature: 23.1°C  
 Air temperature: 29.4°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1 Aluminum, total recoverable	37.0	J	K	I	15.0	µg/L	GE	EPA6020
0 Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0 Iron, total recoverable	<25.0	U			25.0	µg/L	GE	EPA6020
0 Lead, total recoverable	<2.00	U			2.00	µg/L	GE	EPA6020
1 Nitrate-nitrite as nitrogen	6.150				250	µg/L	GE	EPA353.1
0 pH	5.13	J	Q		0.100	pH	GE	EPA9040B
0 Specific conductance	144				1.00	µS/cm	GE	EPA9050A
0 Gross alpha	1.42E-09±6.63E-10	J	I		6.34E-10	µCi/mL	GP	EPIA-001
0 Gross alpha	1.80E-09±7.51E-10	J	I		7.97E-10	µCi/mL	GP	EPIA-001
0 Nonvolatile beta	8.98E-09±1.08E-09				1.16E-09	µCi/mL	GP	EPIA-001
0 Nonvolatile beta	9.41E-09±1.15E-09				1.41E-09	µCi/mL	GP	EPIA-001
2 Tritium	9.13E-05±1.86E-06				7.20E-07	µCi/mL	GP	EPIA-002

**WELL FSL 7D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 68.7 ft (20.94 m) below TOC  
 Water elevation: 218.9 ft (66.72 m) msl  
 pH: 3.8  
 Sp. conductance: 340 µS/cm  
 Turbidity: 3 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 13:25  
 Water temperature: 21.8°C  
 Air temperature: 33.1°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	3,040				15.0	µg/L	GE	EPA6020
2 Cadmium, total recoverable	16.1				1.00	µg/L	GE	EPA6020
1 Iron, total recoverable	248.	J	L	I	25.0	µg/L	GE	EPA6020
0 Lead, total recoverable	6.33	J	I		20.0	µg/L	GE	EPA6020
2 Nitrate-nitrite as nitrogen	41,500				1,250	µg/L	GE	EPA353.1
0 pH	4.24	J	Q		0.100	pH	GE	EPA9040B
1 Specific conductance	394				1.00	µS/cm	GE	EPA9050A
1 Specific conductance	393				1.00	µS/cm	GE	EPA9050A
2 Gross alpha	1.30E-07±5.77E-09				1.13E-09	µCi/mL	GP	EPIA-001
2 Nonvolatile beta	1.31E-06±1.07E-08				1.36E-09	µCi/mL	GP	EPIA-001
2 Tritium	8.66E-05±1.76E-06				6.59E-07	µCi/mL	GP	EPIA-002

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## WELL FSL 8D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 72.75 ft (22.17 m) below TOC  
 Water elevation: 218.05 ft (66.46 m) msl  
 pH: 4.2  
 Sp. conductance: 100 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 13:45  
 Water temperature: 22.1°C  
 Air temperature: 29.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	197			15.0		µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U		1.00		µg/L	GE	EPA6020
2	Iron, total recoverable	386	J	L	25.0		µg/L	GE	EPA6020
0	Lead, total recoverable	3.87			2.00		µg/L	GE	EPA6020
1	Nitrate-nitrite as nitrogen	7,350			250		µg/L	GE	EPA353.1
0	pH	4.97	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	87.2			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	4.74E-09±9.36E-10			7.04E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	6.43E-09±8.64E-10			1.06E-09		µCi/mL	GP	EPIA-001
2	Tritium	3.59E-05±1.16E-06			6.59E-07		µCi/mL	GP	EPIA-002

## WELL FSL 9D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/07/99  
 Depth to water: 69.03 ft (21.04 m) below TOC  
 Water elevation: 216.87 ft (66.1 m) msl  
 pH: 3.8  
 Sp. conductance: 340 µS/cm  
 Turbidity: 9 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 14:30  
 Water temperature: 23.9°C  
 Air temperature: 32.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method	
2	Aluminum, total recoverable	5,840			15.0		µg/L	GE	EPA6020	
0	Cadmium, total recoverable	<0.488	JU	I	4		1.00	µg/L	GE	EPA6020
1	Iron, total recoverable	239	J	L	25.0		µg/L	GE	EPA6020	
0	Lead, total recoverable	1.30	J	I	2.00		µg/L	GE	EPA6020	
2	Nitrate-nitrite as nitrogen	39,300			1,250		µg/L	GE	EPA353.1	
0	pH	4.11	J	Q	0.100		pH	GE	EPA9040B	
1	Specific conductance	390			1.00		µS/cm	GE	EPA9050A	
2	Gross alpha	2.14E-07±7.18E-09			8.80E-10		µCi/mL	GP	EPIA-001	
2	Nonvolatile beta	3.10E-07±5.08E-09			1.05E-09		µCi/mL	GP	EPIA-001	
2	Tritium	1.35E-03±2.62E-05			2.83E-06		µCi/mL	GP	EPIA-002	

## WELL HHP 1D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/09/99  
 Depth to water: 6.14 ft (1.87 m) below TOC  
 Water elevation: 271.26 ft (82.68 m) msl  
 pH: 6  
 Sp. conductance: 170 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 13 gal

Time: 10:42  
 Water temperature: 20.4°C  
 Air temperature: 36°C  
 Total alkalinity (as CaCO<sub>3</sub>): 53 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<146	U		146		µg/L	WA	EPA6010B
0	Aluminum, total recoverable	<146	U		146		µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U		40.0		µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U		40.0		µg/L	WA	EPA6010B
0	Barium, total recoverable	29.4			1.80		µg/L	WA	EPA6010B
0	Barium, total recoverable	30.4			1.80		µg/L	WA	EPA6010B

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## Well HHP 1D collected on 06/09/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Boron, total recoverable	70.5	J	I	266		µg/L	WA	EPA6010B
0	Boron, total recoverable	69.8	J	I	266		µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U		4.70		µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U		4.70		µg/L	WA	EPA6010B
0	Calcium, total recoverable	4,240			471		µg/L	WA	EPA6010B
0	Calcium, total recoverable	4,270			471		µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Chloride	3,220			210		µg/L	WA	EPA9056
0	Chloroform	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Chromium, total recoverable	<2.20	U	V	7.00		µg/L	WA	EPA6010B
0	Chromium, total recoverable	<2.00	U	V	7.00		µg/L	WA	EPA6010B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Fluoride	<68.1	U	V	40.0		µg/L	WA	EPA340.2
2	Iron, total recoverable	6,650			74.0		µg/L	WA	EPA6010B
2	Iron, total recoverable	6,740			74.0		µg/L	WA	EPA6010B
0	Lead, total recoverable	5.30	J	I	47.0		µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	J	I	47.0		µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.380	U	I	2.70		µg/L	WA	EPA6010B
0	Lithium, total recoverable	<2.70	U	I	2.70		µg/L	WA	EPA6010B
0	Magnesium, total recoverable	1,030			74.0		µg/L	WA	EPA6010B
0	Magnesium, total recoverable	1,050			74.0		µg/L	WA	EPA6010B
2	Manganese, total recoverable	646			7.80		µg/L	WA	EPA6010B
2	Manganese, total recoverable	654			7.80		µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U		0.700		µg/L	WA	EPA7470A
0	Nitrate-nitrite as nitrogen	<20.0	U		20.0		µg/L	WA	EPA353.2
0	Potassium, total recoverable	2,260			187		µg/L	WA	EPA6010B
0	Potassium, total recoverable	2,290			187		µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U		66.0		µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U		66.0		µg/L	WA	EPA6010B
0	Silica, total recoverable	6,480			1,350		µg/L	WA	EPA6010B
0	Silica, total recoverable	6,580			1,350		µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U		5.00		µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U		5.00		µg/L	WA	EPA6010B
0	Sodium, total recoverable	27,500			285		µg/L	WA	EPA6010B
0	Sodium, total recoverable	27,900			285		µg/L	WA	EPA6010B
0	Sulfate	19,600			340		µg/L	WA	EPA9056
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Total dissolved solids	124,000			50,000		µg/L	WA	EPA160.1
0	Total organic carbon	4,830			1,000		µg/L	WA	EPA9060
0	Total organic halogens	<120	U		120		µg/L	WA	EPA9020B
0	Total phosphates (as P)	41.1	J	I	67.0		µg/L	WA	EPA365.2
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Gross alpha	2.50E-10±8.30E-10	U		1.63E-09		µCi/mL	TM	EPA900.0M
0	Gross alpha	1.30E-10±8.40E-10	U		1.62E-09		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	8.52E-09±1.90E-09	U	V	2.80E-09		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	4.33E-09±1.76E-09	U	V	2.80E-09		µCi/mL	TM	EPA900.0M
0	Tritium	5.38E-06±5.60E-07			4.80E-07		µCi/mL	TM	EPA906.0M
0	Tritium	4.86E-06±5.40E-07			4.80E-07		µCi/mL	TM	EPA906.0M

## WELL HHP 2D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/07/99  
 Depth to water: 6.4 ft (1.95 m) below TOC  
 Water elevation: 273.8 ft (83.46 m) msl  
 pH: 6  
 Sp. conductance: 165 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 18 gal

Time: 14:29  
 Water temperature: 19.4°C  
 Air temperature: 38.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 59 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<18.0	U	V	146		µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U		40.0		µg/L	WA	EPA6010B
0	Barium, total recoverable	8.80			1.80		µg/L	WA	EPA6010B
0	Boron, total recoverable	66.3	J	I	266		µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U		4.70		µg/L	WA	EPA6010B
0	Calcium, total recoverable	3,120			471		µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Chloride	3,170			210		µg/L	WA	EPA9056
0	Chloroform	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Chromium, total recoverable	<7.00	U		7.00		µg/L	WA	EPA6010B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Fluoride	<43.7	U	V	40.0		µg/L	WA	EPA340.2

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**ANALYTICAL RESULTS**

Well HHP 2D collected on 06/07/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Iron, total recoverable	10,600				74.0	µg/L	WA	EPA6010B
0 Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0 Lithium, total recoverable	<2.70	U			2.70	µg/L	WA	EPA6010B
0 Magnesium, total recoverable	939				74.0	µg/L	WA	EPA6010B
2 Manganese, total recoverable	519				7.80	µg/L	WA	EPA6010B
0 Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0 Nitrate-nitrite as nitrogen	<20.0	U			20.0	µg/L	WA	EPA353.2
0 Potassium, total recoverable	2,010				187	µg/L	WA	EPA6010B
0 Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0 Silica, total recoverable	3,110				1,350	µg/L	WA	EPA6010B
0 Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0 Sodium, total recoverable	22,000				285	µg/L	WA	EPA6010B
0 Sulfate	17,000				340	µg/L	WA	EPA9056
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Total dissolved solids	100,000				50,000	µg/L	WA	EPA160.1
0 Total dissolved solids	109,000				50,000	µg/L	WA	EPA160.1
0 Total organic carbon	4,470				1,000	µg/L	WA	EPA9060
0 Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0 Total phosphates (as P)	20.9	J	I		67.0	µg/L	WA	EPA365.2
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Gross alpha	1.19E-09±8.70E-10	U			1.25E-09	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	4.35E-09±1.23E-09	U			1.76E-09	µCi/mL	TM	EPA900.0M
0 Tritium	5.01E-06±5.60E-07	U			5.30E-07	µCi/mL	TM	EPA906.0M

**WELL HIN600TK**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/08/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 4  
 Sp. conductance: 160 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 11:45  
 Water temperature: 21.4°C  
 Air temperature: 27.1°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	54.2				15.0	µg/L	GE	EPA6020
0 Antimony, total recoverable	<0.248	U	V		0.200	µg/L	GE	EPA6020
0 Arsenic, total recoverable	<3.00	J	I		3.00	µg/L	GE	EPA6020
0 Barium, total recoverable	1.31	U			2.00	µg/L	GE	EPA6020
0 Benzene	<1.00	U			1.00	µg/L	GE	EPA8260B
0 Beryllium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0 Bis(2-ethylhexyl) phthalate	<10.6	JU	Q	X	10.6	µg/L	GE	EPA8270C
0 Bromodichloromethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0 Bromoform	<1.00	U			1.00	µg/L	GE	EPA8260B
0 Bromomethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0 Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0 Calcium, total recoverable	262				150	µg/L	GE	EPA6020
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	GE	EPA8260B
0 Chlorobenzene	<1.00	U			1.00	µg/L	GE	EPA8260B
0 Chloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0 Chloroethene (Vinyl chloride)	<1.00	U			1.00	µg/L	GE	EPA8260B
0 2-Chloroethyl vinyl ether	<5.00	U			5.00	µg/L	GE	EPA8260B
0 Chloroform	<1.00	U			1.00	µg/L	GE	EPA8260B
0 Chloromethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0 Chromium, total recoverable	<1.33	U	V		3.00	µg/L	GE	EPA6020
0 Cobalt, total recoverable	<0.779	U	V		0.200	µg/L	GE	EPA6020
0 Copper, total recoverable	<2.27	JU		4	1.00	µg/L	GE	EPA6020
0 Cyanide	<10.0	U			10.0	µg/L	GE	EPA9012A
0 Dibromochloromethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0 1,1-Dichloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0 1,2-Dichloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0 1,1-Dichloroethylene	<1.00	U			1.00	µg/L	GE	EPA8260B
0 trans-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	GE	EPA8260B
0 Dichloromethane	<5.00	U			5.00	µg/L	GE	EPA8260B
0 1,2-Dichloropropane	<1.00	U			1.00	µg/L	GE	EPA8260B
0 cis-1,3-Dichloropropene	<1.00	U			1.00	µg/L	GE	EPA8260B
0 trans-1,3-Dichloropropene	<1.00	U			1.00	µg/L	GE	EPA8260B
0 Ethylbenzene	<1.00	U			1.00	µg/L	GE	EPA8260B
0 Iron, total recoverable	46.6	J	K	C	15.0	µg/L	GE	EPA6020
0 Lead, total recoverable	<0.423	U	V		2.00	µg/L	GE	EPA6020
0 Magnesium, total recoverable	90.7				3.00	µg/L	GE	EPA6020
0 Manganese, total recoverable	18.4				0.200	µg/L	GE	EPA6020

**ESH-EMS-990521**

Well HIN600TK collected on 04/08/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1 Mercury, total recoverable	1.59				0.200	µg/L	GE	EPA7470A
0 Nickel, total recoverable	1.21	J	I		2.00	µg/L	GE	EPA6020
0 Potassium, total recoverable	734				15.0	µg/L	GE	EPA6020
0 Selenium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6020
0 Silver, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0 Sodium, total recoverable	18,700				250	µg/L	GE	EPA6020
0 1,1,2,2-Tetrachloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	GE	EPA8260B
0 Thallium, total recoverable	<0.210	U	V		2.50	µg/L	GE	EPA6020
0 Tin, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6020
0 Toluene	<1.00	JU	L	I	1.00	µg/L	GE	EPA8260B
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0 1,1,2-Trichloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0 Trichloroethylene	<1.00	U			1.00	µg/L	GE	EPA8260B
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	GE	EPA8260B
0 Vanadium, total recoverable	<100	U			100	µg/L	GE	EPA8260B
0 Zinc, total recoverable	<10.0	U			10.0	µg/L	GE	EPA6020
0 Actinium-228	5.12E-09±6.71E-09	U			1.14E-08	µCi/mL	GP	EPIA-013
0 Americium-241	5.53E-11±1.11E-10	U			1.66E-10	µCi/mL	GP	EPIA-011
0 Americium-241	1.15E-10±1.63E-10	U			1.73E-10	µCi/mL	GP	EPIA-011
0 Antimony-125	-2.59E-09±4.15E-09	U			7.14E-09	µCi/mL	GP	EPIA-011
0 Carbon-14	4.52E-09±5.71E-09	U			7.50E-09	µCi/mL	GP	EPIA-013
0 Cerium-144	-2.68E-09±1.10E-08	U			1.87E-08	µCi/mL	GP	EPIA-013
0 Cesium-134	-8.42E-10±1.61E-09	U			2.35E-09	µCi/mL	GP	EPIA-013
0 Cesium-137	-2.34E-10±1.48E-09	U			2.60E-09	µCi/mL	GP	EPIA-013
0 Cobalt-57	-5.42E-10±1.36E-09	U			2.31E-09	µCi/mL	GP	EPIA-013
0 Cobalt-60	1.50E-09±1.77E-09	U			3.55E-09	µCi/mL	GP	EPIA-013
0 Curium-242	<0.00E+00	U			1.77E-10	µCi/mL	GP	EPIA-011
0 Curium-242	-3.10E-11±6.22E-11	U			3.88E-10	µCi/mL	GP	EPIA-011
0 Curium-243/244	-2.79E-11±5.60E-11	U			3.49E-10	µCi/mL	GP	EPIA-011
0 Curium-243/244	-5.81E-11±8.25E-11	U			4.41E-10	µCi/mL	GP	EPIA-011
0 Curium-245/246	<0.00E+00	U			1.66E-10	µCi/mL	GP	EPIA-011
0 Curium-245/246	<0.00E+00	U			1.72E-10	µCi/mL	GP	EPIA-011
0 Europium-152	-5.49E-10±4.57E-09	U			7.61E-09	µCi/mL	GP	EPIA-013
0 Europium-154	1.07E-09±4.32E-09	U			8.29E-09	µCi/mL	GP	EPIA-013
0 Europium-155	-3.73E-09±5.52E-09	U			9.33E-09	µCi/mL	GP	EPIA-013
2 Iodine-129	7.37E-09±1.50E-09	J		X	1.53E-09	µCi/mL	GP	EPIA-013
0 Lead-212	3.88E-09±1.29E-09	U			5.53E-09	µCi/mL	GP	EPIA-013
0 Manganese-54	-1.42E-09±1.50E-09	U			2.35E-09	µCi/mL	GP	EPIA-013
0 Nickel-63	-1.07E-08±5.52E-09	JU	L	I	9.97E-09	µCi/mL	GP	EPIA-022
0 Nickel-63	-4.92E-09±5.84E-09	JU	L	I	1.03E-08	µCi/mL	GP	EPIA-022
0 Plutonium-238	1.40E-10±2.81E-10	U			4.20E-10	µCi/mL	GP	EPIA-011
0 Plutonium-238	9.60E-11±1.92E-10	U			2.88E-10	µCi/mL	GP	EPIA-011
0 Plutonium-239/240	1.40E-10±2.81E-10	U			4.20E-10	µCi/mL	GP	EPIA-011
0 Plutonium-239/240	2.24E-10±4.46E-10	U			6.64E-10	µCi/mL	GP	EPIA-011
0 Potassium-40	3.49E-08±2.89E-08	U			2.98E-08	µCi/mL	GP	EPIA-013
0 Promethium-144	1.24E-09±1.40E-09	U			2.67E-09	µCi/mL	GP	EPIA-013
0 Promethium-146	-1.52E-09±1.87E-09	U			3.15E-09	µCi/mL	GP	EPIA-013
0 Radium-226	8.39E-10±8.57E-10	U			9.04E-10	µCi/mL	GP	EPIA-008
0 Radium-228	-1.87E-09±5.57E-10	U			1.20E-09	µCi/mL	GP	EPIA-009
0 Ruthenium-106	-1.94E-09±1.37E-09	U			2.40E-09	µCi/mL	GP	EPIA-013
0 Sodium-22	3.72E-10±1.54E-09	U			2.96E-09	µCi/mL	GP	EPIA-013
1 Strontium-89/90	6.01E-09±7.86E-10	JU		X	9.71E-10	µCi/mL	GP	EPIA-004
0 Technetium-99	2.98E-09±3.09E-09	U			5.18E-09	µCi/mL	GP	EPIA-005
0 Thorium-230	1.41E-10±4.45E-10	U			1.06E-09	µCi/mL	GP	EPIA-012
0 Thorium-230	<0.00E+00	U			2.47E-10	µCi/mL	GP	EPIA-012
0 Thorium-232	<0.00E+00	U			2.47E-10	µCi/mL	GP	EPIA-012
0 Uranium-233/234	7.48E-10±7.54E-10	U			1.20E-09	µCi/mL	GP	EPIA-011
0 Uranium-233/234	1.42E-09±9.22E-10	J	I		9.88E-10	µCi/mL	GP	EPIA-011
0 Uranium-235	-1.25E-12±3.08E-10	U			9.62E-10	µCi/mL	GP	EPIA-011
0 Uranium-235	2.58E-10±3.66E-10	U			3.88E-10	µCi/mL	GP	EPIA-011
0 Uranium-238	1.87E-10±3.76E-10	U			7.88E-10	µCi/mL	GP	EPIA-011
0 Uranium-238	1.29E-10±2.58E-10	U			3.86E-10	µCi/mL	GP	EPIA-011
0 Yttrium-88	6.22E-10±1.61E-09	U			3.21E-09	µCi/mL	GP	EPIA-013
0 Zinc-65	-7.66E-12±3.18E-09	U			5.20E-09	µCi/mL	GP	EPIA-013

**B-123**

**Second Quarter 1999**

## WELL HIN600TK

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/11/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 3.9  
 Sp. conductance: 130 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 9:30  
 Water temperature: 23.2°C  
 Air temperature: 17.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	10.8	J	I	X	15.0	µg/L	GE	EPA6020
0 Antimony, total recoverable	<0.411	JU	I	4	2.00	µg/L	GE	EPA6020
0 Arsenic, total recoverable	1.92	J	I		3.00	µg/L	GE	EPA6020
0 Barium, total recoverable	<2.00	U			2.00	µg/L	GE	EPA6020
0 Benzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Bis(2-ethylhexyl) phthalate	<10.0	JU	LQ	X	10.0	µg/L	GE	EPA8270C
0 Bromodichloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Bromoform	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Bromomethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0 Carbon tetrachloride	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Chlorobenzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Chloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Chloroethane (Vinyl chloride)	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 2-Chloroethyl vinyl ether	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0 Chloroform	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Chloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Chromium, total recoverable	2.62	J	I		3.00	µg/L	GE	EPA6020
0 Cobalt, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0 Copper, total recoverable	<1.76	JU		4	1.00	µg/L	GE	EPA6020
0 Cyanide	3.41	J	I		10.0	µg/L	GE	EPA9012A
0 Cyanide	2.54	J	I		10.0	µg/L	GE	EPA9012A
0 Dibromochloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 1,1-Dichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 1,2-Dichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 1,1-Dichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 trans-1,2-Dichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Dichloromethane	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0 1,2-Dichloropropane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 cis-1,3-Dichloropropane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 trans-1,3-Dichloropropane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Ethylbenzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Iron, total recoverable	17.5	J	I	X	25.0	µg/L	GE	EPA6020
0 Lead, total recoverable	<2.00	U			2.00	µg/L	GE	EPA6020
1 Mercury, total recoverable	1.07	U			0.200	µg/L	GE	EPA7470A
0 Nickel, total recoverable	<2.00	U			2.00	µg/L	GE	EPA6020
0 Selenium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6020
0 Silver, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0 1,1,2,2-Tetrachloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Tetrachloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Thallium, total recoverable	<0.500	U			0.500	µg/L	GE	EPA6020
0 Tin, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6020
0 Toluene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 1,1,1-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 1,1,2-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Trichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Trichlorofluoromethane	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0 Vanadium, total recoverable	<10.0	U			10.0	µg/L	GE	EPA6020
0 Zinc, total recoverable	<10.0	U			10.0	µg/L	GE	EPA6020
0 Actinium-228	6.49E-09±8.31E-09	U			1.50E-08	µCi/mL	GP	EPIA-013
0 Actinium-228	1.70E-08±1.05E-08	R		4	1.62E-08	µCi/mL	GP	EPIA-013
0 Americium-241	1.45E-09±1.98E-09	U			3.61E-09	µCi/mL	GP	EPIA-011
0 Americium-241	3.62E-10±5.14E-10	U			1.29E-09	µCi/mL	GP	EPIA-011
0 Antimony-125	-2.31E-09±4.96E-09	U			8.57E-09	µCi/mL	GP	EPIA-013
0 Antimony-125	2.79E-09±5.17E-09	U			9.74E-09	µCi/mL	GP	EPIA-013
0 Carbon-14	3.15E-09±4.94E-09	U			8.36E-09	µCi/mL	GP	EPIA-003
0 Cerium-144	9.41E-09±1.42E-08	U			2.52E-08	µCi/mL	GP	EPIA-013
0 Cerium-144	1.01E-08±1.40E-08	U			2.49E-08	µCi/mL	GP	EPIA-013
0 Cesium-134	-6.28E-10±2.28E-09	U			3.38E-09	µCi/mL	GP	EPIA-013
0 Cesium-134	-9.59E-10±1.96E-09	U			3.34E-09	µCi/mL	GP	EPIA-013
0 Cesium-137	-1.51E-09±2.04E-09	U			3.30E-09	µCi/mL	GP	EPIA-013
0 Cesium-137	3.38E-10±1.98E-09	U			3.62E-09	µCi/mL	GP	EPIA-013
0 Cobalt-57	5.12E-10±1.71E-09	U			3.01E-09	µCi/mL	GP	EPIA-013
0 Cobalt-57	1.07E-09±1.64E-09	U			2.94E-09	µCi/mL	GP	EPIA-013
0 Cobalt-60	7.57E-10±2.21E-09	U			4.25E-09	µCi/mL	GP	EPIA-013

ESH-EMS-990521

Well HIN600TK collected on 05/11/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Cobalt-60	1.06E-09±1.79E-09	U			3.76E-09	µCi/mL	GP	EPIA-013
0 Curium-242	2.83E-10±1.55E-09	U			4.34E-09	µCi/mL	GP	EPIA-011
0 Curium-242	<0.00E+00	U			5.81E-10	µCi/mL	GP	EPIA-011
0 Curium-243/244	4.79E-10±9.60E-10	U			1.44E-09	µCi/mL	GP	EPIA-011
0 Curium-243/244	5.44E-10±6.32E-10	U			5.44E-10	µCi/mL	GP	EPIA-011
0 Curium-245/246	4.78E-10±9.59E-10	U			1.43E-09	µCi/mL	GP	EPIA-011
0 Curium-245/246	<0.00E+00	U			5.43E-10	µCi/mL	GP	EPIA-011
0 Europium-152	3.41E-09±5.49E-09	U			1.03E-08	µCi/mL	GP	EPIA-013
0 Europium-152	4.19E-09±6.06E-09	U			1.08E-08	µCi/mL	GP	EPIA-013
0 Europium-154	<0.00E+00	U			1.14E-08	µCi/mL	GP	EPIA-013
0 Europium-154	7.99E-09±2.56E-08	U			1.17E-08	µCi/mL	GP	EPIA-013
0 Europium-155	8.93E-10±7.63E-09	U			1.34E-08	µCi/mL	GP	EPIA-013
0 Europium-155	7.16E-10±7.28E-09	U			1.28E-08	µCi/mL	GP	EPIA-013
2 Iodine-129	3.80E-09±1.58E-09	J	I		1.02E-09	µCi/mL	GP	EPIA-006
2 Iodine-129	3.63E-09±1.23E-09	J	I		1.80E-09	µCi/mL	GP	EPIA-006
0 Lead-212	6.43E-09±7.85E-09	U			7.14E-09	µCi/mL	GP	EPIA-013
0 Lead-212	6.11E-09±5.80E-09	U			7.24E-09	µCi/mL	GP	EPIA-013
0 Manganese-54	1.64E-09±1.97E-09	U			3.93E-09	µCi/mL	GP	EPIA-013
0 Manganese-54	9.60E-10±1.83E-09	U			3.49E-09	µCi/mL	GP	EPIA-013
0 Nickel-63	1.72E-09±7.68E-09	JU	L	CI	1.66E-08	µCi/mL	GP	EPIA-022
0 Nickel-63	-2.45E-09±8.83E-09	JU	L	CI	1.98E-08	µCi/mL	GP	EPIA-022
0 Plutonium-238	1.40E-09±1.57E-09	U			2.86E-09	µCi/mL	GP	EPIA-011
0 Plutonium-238	2.09E-10±3.59E-10	U			6.69E-10	µCi/mL	GP	EPIA-011
0 Plutonium-239/240	3.87E-10±9.10E-10	U			2.13E-09	µCi/mL	GP	EPIA-011
0 Plutonium-239/240	-5.23E-11±2.80E-10	U			8.29E-10	µCi/mL	GP	EPIA-011
0 Potassium-40	1.54E-08±2.55E-08	U			4.94E-08	µCi/mL	GP	EPIA-013
0 Promethium-144	1.93E-08±4.54E-08	U			3.70E-08	µCi/mL	GP	EPIA-013
0 Promethium-144	4.92E-10±1.80E-09	U			3.27E-09	µCi/mL	GP	EPIA-013
0 Promethium-144	2.91E-10±1.83E-09	U			3.33E-09	µCi/mL	GP	EPIA-013
0 Promethium-146	1.23E-09±2.54E-09	U			4.72E-09	µCi/mL	GP	EPIA-013
0 Promethium-146	-1.00E-09±2.31E-09	U			4.04E-09	µCi/mL	GP	EPIA-013
0 Radium-226	8.45E-10±6.64E-10	U			8.73E-10	µCi/mL	GP	EPIA-008
0 Radium-226	-4.40E-10±4.45E-10	U			1.05E-09	µCi/mL	GP	EPIA-009
0 Radium-226	-7.09E-10±3.64E-10	U			9.45E-10	µCi/mL	GP	EPIA-009
0 Ruthenium-106	3.98E-10±1.78E-08	U			3.16E-08	µCi/mL	GP	EPIA-013
0 Ruthenium-106	7.37E-10±1.80E-08	U			3.24E-08	µCi/mL	GP	EPIA-013
0 Sodium-22	<0.00E+00	U			4.08E-09	µCi/mL	GP	EPIA-013
0 Sodium-22	2.85E-09±1.13E-09	U			3.41E-09	µCi/mL	GP	EPIA-013
0 Strontium-89/90	3.57E-09±9.45E-10	U			1.51E-09	µCi/mL	GP	EPIA-004
0 Strontium-89/90	2.58E-09±7.94E-10	J	I		1.34E-09	µCi/mL	GP	EPIA-004
0 Technetium-99	4.96E-09±3.01E-09	J	I		4.95E-09	µCi/mL	GP	EPIA-005
0 Technetium-99	5.72E-09±2.78E-09	J	I		4.51E-09	µCi/mL	GP	EPIA-005
0 Thorium-228	-1.76E-10±1.70E-09	U			4.72E-09	µCi/mL	GP	EPIA-012
0 Thorium-230	-1.60E-10±2.29E-10	U			2.08E-09	µCi/mL	GP	EPIA-012
0 Thorium-232	3.34E-10±6.71E-10	U			1.00E-09	µCi/mL	GP	EPIA-012
0 Uranium-233/234	3.35E-10±7.72E-10	U			1.82E-09	µCi/mL	GP	EPIA-011
0 Uranium-233/234	5.56E-10±5.71E-10	U			9.17E-10	µCi/mL	GP	EPIA-011
0 Uranium-235	-6.30E-11±1.26E-10	U			1.38E-09	µCi/mL	GP	EPIA-011
0 Uranium-235	2.04E-11±4.00E-10	U			9.20E-10	µCi/mL	GP	EPIA-011
0 Uranium-238	-6.28E-11±1.26E-10	JU	L	CI	1.38E-09	µCi/mL	GP	EPIA-011
0 Uranium-238	-2.29E-10±2.30E-10	JU	L	CI	8.45E-10	µCi/mL	GP	EPIA-011
0 Yttrium-88	1.04E-09±2.14E-09	U			4.57E-09	µCi/mL	GP	EPIA-013
0 Yttrium-88	8.13E-10±1.97E-09	U			3.80E-09	µCi/mL	GP	EPIA-013
0 Zinc-65	-3.58E-09±4.42E-09	U			7.21E-09	µCi/mL	GP	EPIA-013
0 Zinc-65	1.39E-09±3.26E-09	U			6.15E-09	µCi/mL	GP	EPIA-013

## WELL HIN600TK

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/16/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 4.8  
 Sp. conductance: 130 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 8:30  
 Water temperature: 21.4°C  
 Air temperature: 24.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1 Aluminum, total recoverable	48.1				15.0	µg/L	GE	EPA6020
0 Antimony, total recoverable	<2.00	U			2.00	µg/L	GE	EPA6020
0 Arsenic, total recoverable	1.55	J	I		3.00	µg/L	GE	EPA6020
0 Barium, total recoverable	0.700	J	I		2.00	µg/L	GE	EPA6020
0 Benzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Bis(2-ethylhexyl) phthalate	<10.0	JU	LQ	OX	10.0	µg/L	GE	EPA8270C

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Second Quarter 1999

# ANALYTICAL RESULTS

Well HIN600TK collected on 06/16/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Bromodichloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	Bromoform	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	Bromomethane	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPAB260B
0	Carbon tetrachloride	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	Chlorobenzene	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	Chloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	Chloroethene (Vinyl chloride)	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	2-Chloroethyl vinyl ether	<5.00	JU	L	O	5.00	µg/L	GE	EPAB260B
0	Chloroform	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	Chloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	Chromium, total recoverable	<3.21	U	V		3.00	µg/L	GE	EPAB260B
0	Cobalt, total recoverable	<1.00	U			1.00	µg/L	GE	EPAB260B
0	Copper, total recoverable	<0.904	U	I	4	1.00	µg/L	GE	EPAB260B
0	Cyanide	2.52	J	I		10.0	µg/L	GE	EPAB260B
0	Cyanide	<10.0	U			10.0	µg/L	GE	EPAB260B
0	Dibromochloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	1,1-Dichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	1,2-Dichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	1,1-Dichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	trans-1,2-Dichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	Dichloromethane	<5.00	JU	L	O	5.00	µg/L	GE	EPAB260B
0	1,2-Dichloropropane	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	cis-1,3-Dichloropropane	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	trans-1,3-Dichloropropane	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	Ethylbenzene	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	Iron, total recoverable	37.5	U			25.0	µg/L	GE	EPAB260B
0	Lead, total recoverable	<2.00	U			2.00	µg/L	GE	EPAB260B
2	Mercury, total recoverable	2.49	U			0.200	µg/L	GE	EPAB260B
0	Nickel, total recoverable	<2.00	U			2.00	µg/L	GE	EPAB260B
0	Selenium, total recoverable	<5.00	U			5.00	µg/L	GE	EPAB260B
0	Silver, total recoverable	<1.00	U			1.00	µg/L	GE	EPAB260B
0	1,1,2,2-Tetrachloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	Tetrachloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	Thallium, total recoverable	0.855	U			0.500	µg/L	GE	EPAB260B
0	Tin, total recoverable	<5.00	U			5.00	µg/L	GE	EPAB260B
0	Toluene	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	1,1,1-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	1,1,2-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	Trichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPAB260B
0	Trichlorofluoromethane	<5.00	JU	L	O	5.00	µg/L	GE	EPAB260B
0	Vanadium, total recoverable	<10.0	U			10.0	µg/L	GE	EPAB260B
0	Zinc, total recoverable	<10.0	U			10.0	µg/L	GE	EPAB260B
0	Actinium-228	7.48E-09±6.13E-09	U			1.17E-08	µCi/mL	GP	EPIA-013
0	Actinium-228	2.48E-09±6.84E-09	U			1.28E-08	µCi/mL	GP	EPIA-013
0	Americium-241	-1.53E-13±3.76E-11	U			1.17E-10	µCi/mL	GP	EPIA-011
0	Americium-241	8.51E-12±3.85E-11	U			1.08E-10	µCi/mL	GP	EPIA-011
0	Antimony-125	1.82E-09±4.31E-09	U			7.87E-09	µCi/mL	GP	EPIA-013
0	Antimony-125	2.80E-10±5.48E-09	U			9.52E-09	µCi/mL	GP	EPIA-013
0	Carbon-14	1.66E-08±4.85E-09	J	I		7.55E-09	µCi/mL	GP	EPIA-003
0	Cerium-144	3.76E-09±1.08E-08	U			1.88E-08	µCi/mL	GP	EPIA-013
0	Cerium-144	-7.67E-09±1.55E-08	U			2.48E-08	µCi/mL	GP	EPIA-013
0	Cesium-134	-1.24E-09±1.72E-09	U			2.43E-09	µCi/mL	GP	EPIA-013
0	Cesium-134	5.12E-11±2.95E-09	U			3.14E-09	µCi/mL	GP	EPIA-013
0	Cesium-137	6.49E-10±1.51E-09	U			2.77E-09	µCi/mL	GP	EPIA-013
0	Cesium-137	-5.32E-10±1.93E-09	U			3.42E-09	µCi/mL	GP	EPIA-013
0	Cobalt-57	2.22E-10±1.34E-09	U			2.35E-09	µCi/mL	GP	EPIA-013
0	Cobalt-57	-3.25E-11±1.99E-09	U			3.28E-09	µCi/mL	GP	EPIA-013
0	Cobalt-60	4.12E-10±1.79E-09	U			3.32E-09	µCi/mL	GP	EPIA-013
0	Cobalt-60	1.17E-09±1.79E-09	U			3.72E-09	µCi/mL	GP	EPIA-013
0	Curium-242	8.05E-12±3.64E-11	U			1.03E-10	µCi/mL	GP	EPIA-011
0	Curium-242	<0.00E+00	U			5.49E-11	µCi/mL	GP	EPIA-011
0	Curium-243/244	7.57E-12±3.43E-11	U			9.65E-11	µCi/mL	GP	EPIA-011
0	Curium-243/244	<0.00E+00	U			5.16E-11	µCi/mL	GP	EPIA-011
0	Curium-245/246	<0.00E+00	U			4.58E-11	µCi/mL	GP	EPIA-011
0	Curium-245/246	6.87E-11±6.92E-11	U	V		5.16E-11	µCi/mL	GP	EPIA-011
0	Europium-152	1.73E-09±4.79E-09	U			8.20E-09	µCi/mL	GP	EPIA-013
0	Europium-152	6.50E-09±9.18E-09	U			1.05E-08	µCi/mL	GP	EPIA-013
0	Europium-154	1.52E-09±4.32E-09	U			8.27E-09	µCi/mL	GP	EPIA-013
0	Europium-154	-1.92E-09±5.71E-09	U			9.27E-09	µCi/mL	GP	EPIA-013
0	Europium-155	2.13E-10±5.93E-09	U			1.04E-08	µCi/mL	GP	EPIA-013
0	Europium-155	-1.36E-08±9.95E-09	U			1.33E-08	µCi/mL	GP	EPIA-013
2	Iodine-129	4.08E-09±1.20E-09	U			8.93E-10	µCi/mL	GP	EPIA-006
2	Iodine-129	3.93E-09±1.40E-09	U			1.03E-09	µCi/mL	GP	EPIA-013
0	Lead-212	1.97E-09±4.38E-09	U			4.82E-09	µCi/mL	GP	EPIA-013
0	Lead-212	2.31E-09±6.13E-09	U			7.48E-09	µCi/mL	GP	EPIA-013
0	Manganese-54	-2.17E-10±1.64E-09	U			2.82E-09	µCi/mL	GP	EPIA-013

Well HIN600TK collected on 06/16/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Manganese-54	5.32E-10±1.80E-09	U			3.37E-09	µCi/mL	GP	EPIA-013
0	Nickel-63	7.00E-10±5.58E-09	JU	L	C	1.02E-08	µCi/mL	GP	EPIA-022
0	Nickel-63	-3.49E-09±3.22E-09	JU	L	C	6.04E-09	µCi/mL	GP	EPIA-022
0	Plutonium-238	5.03E-11±5.99E-11	U			1.17E-10	µCi/mL	GP	EPIA-011
0	Plutonium-238	-9.31E-12±9.31E-11	U			1.84E-10	µCi/mL	GP	EPIA-011
0	Plutonium-239/240	<0.00E-00	U			5.84E-11	µCi/mL	GP	EPIA-011
0	Plutonium-239/240	9.30E-12±4.93E-11	U			1.03E-10	µCi/mL	GP	EPIA-011
0	Potassium-40	4.25E-09±2.87E-08	U			3.15E-08	µCi/mL	GP	EPIA-013
0	Potassium-40	3.57E-08±2.18E-08	U			4.74E-08	µCi/mL	GP	EPIA-013
0	Promethium-144	4.71E-10±1.42E-09	U			2.57E-09	µCi/mL	GP	EPIA-013
0	Promethium-144	-7.65E-10±1.78E-09	U			3.09E-09	µCi/mL	GP	EPIA-013
0	Promethium-146	5.91E-10±1.91E-09	U			3.48E-09	µCi/mL	GP	EPIA-013
0	Promethium-146	-7.61E-10±2.67E-09	U			4.50E-09	µCi/mL	GP	EPIA-013
1	Radium-226	2.24E-09±5.58E-10	J	I		5.89E-10	µCi/mL	GP	EPIA-008
0	Radium-228	2.62E-09±9.22E-10	U			5.86E-10	µCi/mL	GP	EPIA-008
0	Radium-228	3.11E-10±5.99E-10	U			1.12E-09	µCi/mL	GP	EPIA-009
0	Ruthenium-106	-6.01E-09±1.33E-08	U			1.18E-09	µCi/mL	GP	EPIA-009
0	Ruthenium-106	-6.46E-09±1.70E-08	U			2.26E-08	µCi/mL	GP	EPIA-013
0	Sodium-22	5.47E-10±1.54E-09	U			2.99E-08	µCi/mL	GP	EPIA-013
0	Sodium-22	-2.62E-10±1.59E-09	U			2.95E-09	µCi/mL	GP	EPIA-013
0	Strontium-89/90	-5.05E-10±7.84E-10	U			3.67E-09	µCi/mL	GP	EPIA-013
0	Strontium-89/90	-1.05E-09±3.73E-10	U			1.86E-09	µCi/mL	GP	EPIA-004
0	Technetium-99	1.87E-08±4.06E-09	U			2.11E-09	µCi/mL	GP	EPIA-004
0	Technetium-99	2.28E-08±3.73E-09	U			6.31E-09	µCi/mL	GP	EPIA-005
0	Thorium-228	1.30E-10±1.61E-10	U			5.62E-09	µCi/mL	GP	EPIA-005
0	Thorium-228	-7.63E-11±1.38E-10	U			3.11E-10	µCi/mL	GP	EPIA-012
0	Thorium-230	1.25E-11±6.86E-11	U			4.20E-10	µCi/mL	GP	EPIA-012
0	Thorium-230	8.42E-11±1.06E-10	U			1.92E-10	µCi/mL	GP	EPIA-012
0	Thorium-232	-2.15E-11±2.18E-11	U			1.78E-10	µCi/mL	GP	EPIA-012
0	Thorium-232	-1.23E-11±1.76E-11	U			1.69E-10	µCi/mL	GP	EPIA-012
0	Uranium-233/234	9.66E-11±7.87E-11	U			1.60E-10	µCi/mL	GP	EPIA-012
0	Uranium-233/234	2.32E-10±1.26E-10	J	I		9.80E-11	µCi/mL	GP	EPIA-011
0	Uranium-235	1.57E-11±4.16E-11	U			1.21E-10	µCi/mL	GP	EPIA-011
0	Uranium-235	2.34E-11±4.38E-11	U			9.83E-11	µCi/mL	GP	EPIA-011
0	Uranium-238	4.05E-11±4.70E-11	U			8.90E-11	µCi/mL	GP	EPIA-011
0	Uranium-238	7.38E-11±6.65E-11	J	I		4.05E-11	µCi/mL	GP	EPIA-011
0	Yttrium-88	-2.96E-10±1.90E-09	U			4.43E-11	µCi/mL	GP	EPIA-011
0	Yttrium-88	1.55E-09±2.22E-09	U			3.50E-09	µCi/mL	GP	EPIA-013
0	Zinc-65	1.59E-09±3.19E-09	U			4.62E-09	µCi/mL	GP	EPIA-013
0	Zinc-65	1.43E-09±4.39E-09	U			5.55E-09	µCi/mL	GP	EPIA-013

## WELL HR3 14DU

### MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/03/99  
 Depth to water: 14.75 ft (4.5 m) below TOC  
 Water elevation: Not available  
 pH: 4.6  
 Sp. conductance: 400 µS/cm  
 Turbidity: 14 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 8:30  
 Water temperature: 19.4°C  
 Air temperature: 26°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

### ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	290				146	µg/L	WA	EPAB010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPAB010B
0	Barium, total recoverable	27.7				1.80	µg/L	WA	EPAB010B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPAB010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPAB010B
0	Calcium, total recoverable	502				471	µg/L	WA	EPAB010B
0	Chloride	4,480				210	µg/L	WA	EPAB010B
0	Chromium, total recoverable	3.80	J	I		7.00	µg/L	WA	EPAB010B
0	Fluoride	<26.2	U	V		40.0	µg/L	WA	EPAB010B
1	Iron, total recoverable	211				74.0	µg/L	WA	EPAB010B

Well HR3 14DU collected on 06/03/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Silica, total recoverable	5,920			1,350		µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U		5.00		µg/L	WA	EPA6010B
0	Sodium, total recoverable	48,500			285		µg/L	WA	EPA6010B
0	Sulfate	5,510			340		µg/L	WA	EPA9056
0	Total dissolved solids	160,000			50,000		µg/L	WA	EPA160.1
0	Total dissolved solids	158,000			50,000		µg/L	WA	EPA160.1
0	Total organic carbon	634			1,000		µg/L	WA	EPA9060
0	Total organic halogens	24.7	J	I	120		µg/L	WA	EPA9020B
0	Total phosphates (as P)	30.7	J	I	67.0		µg/L	WA	EPA365.2
0	Gross alpha	9.50E-10±8.40E-10	U		1.32E-09		µCi/mL	TM	EPA900.0M
0	Gross alpha	1.74E-09±1.08E-09	J	I	1.62E-09		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.10E-08±1.95E-09			2.28E-09		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.76E-08±2.11E-09			2.81E-09		µCi/mL	TM	EPA900.0M
2	Tritium	2.02E-05±9.90E-07			5.30E-07		µCi/mL	TM	EPA906.0M
2	Tritium	2.02E-05±9.90E-07			5.30E-07		µCi/mL	TM	EPA906.0M

## WELL HSB 65

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: 40.08 ft (12.22 m) below TOC  
 Water elevation: 231.92 ft (70.69 m) msl  
 pH: 4.4  
 Sp. conductance: 88 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 64 gal

Time: 15:21  
 Water temperature: 21.9°C  
 Air temperature: 29.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.121	J	I	0.200		µg/L	GE	EPA7470A
1	Nitrate-nitrite as nitrogen	6.800			250		µg/L	GE	EPA353.1
0	pH	4.89	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	113			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	1.06E-09±5.66E-10	J	I	9.22E-10		µCi/mL	GP	EPIA-001
0	Gross alpha	1.86E-09±7.17E-10	J	I	1.33E-09		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.62E-03±7.46E-06			6.42E-07		µCi/mL	GP	EPIA-002
2	Tritium								

## WELL HSB 65A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: 102.46 ft (31.23 m) below TOC  
 Water elevation: 171.14 ft (52.16 m) msl  
 pH: 6.8  
 Sp. conductance: 160 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 173 gal

Time: 15:52  
 Water temperature: 20.9°C  
 Air temperature: 28.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 74 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	<50.0	U		50.0		µg/L	GE	EPA353.1
0	pH	7.24	J	Q	0.100		pH	GE	EPA9040B
0	pH	7.22	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	206			1.00		µS/cm	GE	EPA9050A
0	Specific conductance	205			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	7.36E-10±6.34E-10	U		1.20E-09		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.14E-10±5.72E-10	U		1.26E-09		µCi/mL	GP	EPIA-001
0	Tritium	-1.76E-07±3.59E-07	U		6.41E-07		µCi/mL	GP	EPIA-002

## WELL HSB 65B

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: 49.26 ft (15.01 m) below TOC  
 Water elevation: 224.44 ft (68.41 m) msl  
 pH: 7.1  
 Sp. conductance: 150 µS/cm  
 Turbidity: 3 NTU  
 Water evacuated from the well prior to sampling: 240 gal

Time: 16:06  
 Water temperature: 20.8°C  
 Air temperature: 28.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 85 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	<40.0	U	V	50.0		µg/L	GE	EPA353.1
0	pH	7.87	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	205			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	1.23E-10±3.94E-10	U		8.83E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	8.20E-10±5.80E-10	U		1.16E-09		µCi/mL	GP	EPIA-001
0	Tritium	-3.43E-08±3.62E-07	U		6.35E-07		µCi/mL	GP	EPIA-002

## WELL HSB 65C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 38.85 ft (11.84 m) below TOC  
 Water elevation: 234.75 ft (71.55 m) msl  
 pH: 4.4  
 Sp. conductance: 90 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 54 gal

Time: 8:36  
 Water temperature: 21.9°C  
 Air temperature: 13.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	10.400			250		µg/L	GE	EPA353.1
0	pH	5.09	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	153			1.00		µS/cm	GE	EPA9050A
0	Specific conductance	153			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	3.13E-09±9.66E-10			9.23E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	3.97E-09±9.36E-10			1.49E-09		µCi/mL	GP	EPIA-001
2	Tritium	1.65E-03±3.23E-05			2.88E-06		µCi/mL	GP	EPIA-002

## WELL HSB 66

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 55.32 ft (16.86 m) below TOC  
 Water elevation: 224.88 ft (68.54 m) msl  
 pH: 4.5  
 Sp. conductance: 28 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 61 gal

Time: 14:04  
 Water temperature: 20°C  
 Air temperature: 21.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	1,960			50.0		µg/L	GE	EPA353.1
0	pH	5.16	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	31.6			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	1.53E-09±6.26E-10	J	I	7.71E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	6.39E-10±6.07E-10	U		1.27E-09		µCi/mL	GP	EPIA-001
1	Tritium	1.49E-05±7.42E-07			5.52E-07		µCi/mL	GP	EPIA-002
1	Tritium	1.44E-05±7.31E-07			5.53E-07		µCi/mL	GP	EPIA-002

## WELL HSB 67

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: 26.91 ft (8.2 m) below TOC  
 Water elevation: 210.89 ft (64.28 m) msl  
 pH: 4.2  
 Sp. conductance: 120 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 23 gal

Time: 13:27  
 Water temperature: 19.4°C  
 Air temperature: 26.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Mercury, total recoverable	9.90			0.200		µg/L	GE	EPA7470A
1	Nitrate-nitrite as nitrogen	9,750			250		µg/L	GE	EPA353.1
0	pH	4.30	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	122			1.00		µS/cm	GE	EPA9050A
2	Gross alpha	1.79E-08±1.76E-09			4.10E-10		µCi/mL	GP	EPIA-001
2	Nonvolatile beta	3.94E-07±5.89E-09			1.02E-09		µCi/mL	GP	EPIA-001
2	Tritium	9.53E-04±5.67E-06			6.31E-07		µCi/mL	GP	EPIA-002

## WELL HSB 68

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: 31.36 ft (9.56 m) below TOC  
 Water elevation: 218.74 ft (66.67 m) msl  
 pH: 4.2  
 Sp. conductance: 110 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 9 gal

Time: 13:00  
 Water temperature: 21.3°C  
 Air temperature: 27.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Mercury, total recoverable	3.70			0.200		µg/L	GE	EPA7470A
1	Nitrate-nitrite as nitrogen	9,900			250		µg/L	GE	EPA353.1
0	pH	4.16	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	112			1.00		µS/cm	GE	EPA9050A
2	Gross alpha	3.92E-08±2.76E-09			8.98E-10		µCi/mL	GP	EPIA-001
2	Nonvolatile beta	1.68E-06±1.18E-08			1.21E-09		µCi/mL	GP	EPIA-001
2	Tritium	4.47E-04±3.91E-06			6.37E-07		µCi/mL	GP	EPIA-002

## WELL HSB 68A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/15/99  
 Depth to water: 76.98 ft (23.46 m) below TOC  
 Water elevation: 172.42 ft (52.55 m) msl  
 pH: 6.5  
 Sp. conductance: 120 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 185 gal

Time: 9:04  
 Water temperature: 19.2°C  
 Air temperature: 19.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 45 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200		U	0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	<50.0		U	50.0		µg/L	GE	EPA353.1
0	pH	6.85	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	137			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	5.37E-10±4.33E-10	U		7.47E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.74E-09±6.77E-10	J	K	1.12E-09		µCi/mL	GP	EPIA-001
0	Tritium	3.71E-07±3.40E-07	U		5.65E-07		µCi/mL	GP	EPIA-002

## WELL HSB 68B

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/15/99  
 Depth to water: 34.28 ft (10.45 m) below TOC  
 Water elevation: 215.72 ft (65.75 m) msl  
 pH: 7.3  
 Sp. conductance: 210 µS/cm  
 Turbidity: 8 NTU  
 Water evacuated from the well prior to sampling: 138 gal

Time: 10:05  
 Water temperature: 20.1°C  
 Air temperature: 19.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 100 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.0389		U	0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	230		V	50.0		µg/L	GE	EPA353.1
0	pH	7.81	J	Q	0.100		pH	GE	EPA9040B
0	pH	7.81	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	234			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	8.23E-10±4.87E-10	J	I	6.61E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.30E-09±6.91E-10	J	IK	1.22E-09		µCi/mL	GP	EPIA-001
1	Tritium	1.25E-05±6.98E-07			5.61E-07		µCi/mL	GP	EPIA-002

## WELL HSB 68C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/26/99  
 Depth to water: 33.93 ft (10.34 m) below TOC  
 Water elevation: 216.17 ft (65.89 m) msl  
 pH: 5.4  
 Sp. conductance: 150 µS/cm  
 Turbidity: 7 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 11:30  
 Water temperature: 20.4°C  
 Air temperature: 22.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 8 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.129	J	I	0.200		µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	12,500			250		µg/L	GE	EPA353.1
0	pH	5.93	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	129			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	1.26E-09±6.34E-10	J	I	7.41E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.06E-08±1.16E-09	J	K	1.20E-09		µCi/mL	GP	EPIA-001
2	Tritium	1.55E-03±3.03E-05			3.05E-06		µCi/mL	GP	EPIA-002

## WELL HSB 69

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: 19.25 ft (5.87 m) below TOC  
 Water elevation: 216.75 ft (66.07 m) msl  
 pH: 4.4  
 Sp. conductance: 46 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 30 gal

Time: 11:15  
 Water temperature: 18.7°C  
 Air temperature: 25.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.0885	J	I	0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	2,170			50.0		µg/L	GE	EPA353.1
0	pH	4.33	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	46.5			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	4.43E-09±1.03E-09			6.65E-10		µCi/mL	GP	EPIA-001
2	Nonvolatile beta	4.94E-07±7.06E-09			1.39E-09		µCi/mL	GP	EPIA-001
2	Tritium	3.07E-05±1.10E-06			7.03E-07		µCi/mL	GP	EPIA-002

## WELL HSB 69A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/15/99  
 Depth to water: 63.9 ft (19.48 m) below TOC  
 Water elevation: 172.7 ft (52.64 m) msl  
 pH: 6.2  
 Sp. conductance: 100 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 167 gal

Time: 12:16  
 Water temperature: 20.1°C  
 Air temperature: 22.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 53 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	10.0	J	I	50.0		µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	10.0	J	I	50.0		µg/L	GE	EPA353.1
0	pH	6.92	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	159			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	9.23E-10±4.53E-10	J	I	4.37E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.00E-09±5.91E-10	J	IK	9.97E-10		µCi/mL	GP	EPIA-001
0	Tritium	-1.58E-07±3.14E-07	U		5.63E-07		µCi/mL	GP	EPIA-002

## WELL HSB 70

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/16/99  
 Depth to water: 18.88 ft (5.75 m) below TOC  
 Water elevation: 223.92 ft (68.25 m) msl  
 pH: 4.6  
 Sp. conductance: 56 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 67 gal

Time: 12:16  
 Water temperature: 19.5°C  
 Air temperature: 19.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 7 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	400			50.0		µg/L	GE	EPA353.1
0	pH	5.37	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	65.2			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	9.34E-10±5.13E-10	J	I	6.25E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	9.71E-09±1.18E-09			1.31E-09		µCi/mL	GP	EPIA-001
2	Tritium	2.97E-05±9.98E-07			5.52E-07		µCi/mL	GP	EPIA-002

## WELL HSB 70C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/26/99  
 Depth to water: 23.55 ft (7.18 m) below TOC  
 Water elevation: 219.55 ft (66.92 m) msl  
 pH: 8.7  
 Sp. conductance: 400 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 11:10  
 Water temperature: 18.6°C  
 Air temperature: 21.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 25 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SXH

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	282.000			5.000		µg/L	GE	EPA353.1
1	pH	9.46	J	Q	0.100		pH	GE	EPA9040B
1	Specific conductance	407			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	5.63E-09±1.46E-09			9.30E-10		µCi/mL	GP	EPIA-001
2	Nonvolatile beta	1.18E-07±3.57E-09	J	K	1.59E-09		µCi/mL	GP	EPIA-001
2	Tritium	4.74E-03±9.17E-05			5.80E-06		µCi/mL	GP	EPIA-002

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## WELL HSB 71

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/26/99  
 Depth to water: 25.23 ft (7.69 m) below TOC  
 Water elevation: 216.17 ft (65.89 m) msl  
 pH: 5.1  
 Sp. conductance: 30 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 42 gal

Time: 10:44  
 Water temperature: 19.4°C  
 Air temperature: 20.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	740			50.0		µg/L	GE	EPA353.1
0	pH	5.51	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	29.4			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	5.43E-10±3.94E-10	U		5.94E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	-1.41E-10±6.59E-10	U		1.53E-09		µCi/mL	GP	EPIA-001
2	Tritium	4.91E-05±1.32E-06			6.40E-07		µCi/mL	GP	EPIA-002

## WELL HSB 71C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/26/99  
 Depth to water: 22.26 ft (6.78 m) below TOC  
 Water elevation: 219.34 ft (66.86 m) msl  
 pH: 9.9  
 Sp. conductance: 270 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 10:50  
 Water temperature: 20°C  
 Air temperature: 21.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 39 mg/L  
 Phenolphthalein alkalinity: 24 mg/L  
 Field Qualifier(s): SXH

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.0564	J	I	0.200		µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	18.500			1.250		µg/L	GE	EPA353.1
0	pH	6.49	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	202			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	5.93E-09±1.30E-09			7.26E-10		µCi/mL	GP	EPIA-001
1	Nonvolatile beta	3.59E-08±1.98E-09	J	K	1.44E-09		µCi/mL	GP	EPIA-001
2	Tritium	1.92E-03±3.70E-05			3.42E-06		µCi/mL	GP	EPIA-002

## WELL HSB 83A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 63.65 ft (19.4 m) below TOC  
 Water elevation: 173.65 ft (52.93 m) msl  
 pH: 7.1  
 Sp. conductance: 170 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 174 gal

Time: 14:40  
 Water temperature: 19.4°C  
 Air temperature: 25°C  
 Total alkalinity (as CaCO<sub>3</sub>): 70 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Mercury, total recoverable	<0.450	U		0.450		µg/L	WA	EPA7470A
0	Mercury, total recoverable	<0.450	U		0.450		µg/L	WA	EPA7470A
0	Nitrate-nitrite as nitrogen	10.0	J	I	50.0		µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	59.0			20.0		µg/L	WA	EPA353.2
0	pH	7.00	J	Q	0.100		pH	GE	EPA9040B
0	pH	6.94	J	Q	0.100		pH	WA	EPA9040B
0	pH	6.99	J	Q	0.100		pH	WA	EPA9040B
0	Specific conductance	191			1.00		µS/cm	GE	EPA9050A
0	Specific conductance	160			8.90		µS/cm	WA	EPA9050A
0	Gross alpha	1.37E-10±4.81E-10	U		1.15E-09		µCi/mL	GP	EPIA-001
0	Gross alpha	8.10E-10±7.80E-10	U		1.23E-09		µCi/mL	TM	EPA900.0M
0	Gross alpha	5.30E-10±7.50E-10	U		1.27E-09		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	9.50E-10±6.36E-10	U		1.28E-09		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.64E-09±1.12E-09	U		1.81E-09		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	8.10E-10±1.08E-09	U		1.82E-09		µCi/mL	TM	EPA900.0M

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Well HSB 83A collected on 04/19/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Tritium	-5.51E-07±3.58E-07	U		6.68E-07		µCi/mL	GP	EPIA-002
0 Tritium	-9.00E-08±2.90E-07	U		5.30E-07		µCi/mL	TM	EPA906.0M
0 Tritium	1.50E-07±3.10E-07	U		5.40E-07		µCi/mL	TM	EPA906.0M

## WELL HSB 83A Replicate

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 63.65 ft (19.4 m) below TOC  
 Water elevation: 173.65 ft (52.93 m) msl  
 pH: 7.1  
 Sp. conductance: 170 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 174 gal

Time: 14:40  
 Water temperature: 19.4°C  
 Air temperature: 25°C  
 Total alkalinity (as CaCO<sub>3</sub>): 70 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0 Nitrate-nitrite as nitrogen	20.0	J	I	50.0		µg/L	GE	EPA353.1
0 pH	7.09	J	Q	0.100		pH	GE	EPA9040B
0 Specific conductance	191	J		1.00		µS/cm	GE	EPA9050A
0 Gross alpha	2.44E-10±4.83E-10	U		1.08E-09		µCi/mL	GP	EPIA-001
0 Gross alpha	5.41E-10±5.03E-10	U		8.83E-10		µCi/mL	GP	EPIA-001
0 Nonvolatile beta	1.23E-09±6.62E-10	U		1.30E-09		µCi/mL	GP	EPIA-001
0 Nonvolatile beta	1.14E-09±6.63E-10	U		1.31E-09		µCi/mL	GP	EPIA-001
0 Tritium	-1.72E-07±3.70E-07	U		6.59E-07		µCi/mL	GP	EPIA-002

## WELL HSB 83B

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 14.58 ft (4.44 m) below TOC  
 Water elevation: 222.42 ft (67.79 m) msl  
 pH: 6.9  
 Sp. conductance: 98 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 160 gal

Time: 14:25  
 Water temperature: 19.6°C  
 Air temperature: 25.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 43 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0 Nitrate-nitrite as nitrogen	30.0	J	I	50.0		µg/L	GE	EPA353.1
0 pH	6.88	J	Q	0.100		pH	GE	EPA9040B
0 Specific conductance	112	J		1.00		µS/cm	GE	EPA9050A
0 Gross alpha	3.41E-10±3.68E-10	U		6.69E-10		µCi/mL	GP	EPIA-001
0 Nonvolatile beta	1.36E-09±6.42E-10	J	I	1.20E-09		µCi/mL	GP	EPIA-001
0 Tritium	7.43E-07±4.18E-07	J	I	6.73E-07		µCi/mL	GP	EPIA-002

## WELL HSB 83C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 12.98 ft (3.96 m) below TOC  
 Water elevation: 224.12 ft (68.31 m) msl  
 pH: 5.9  
 Sp. conductance: 21 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 98 gal

Time: 14:57  
 Water temperature: 19.4°C  
 Air temperature: 24.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0 Nitrate-nitrite as nitrogen	30.0	J	I	50.0		µg/L	GE	EPA353.1
0 pH	5.56	J	Q	0.100		pH	GE	EPA9040B
0 Specific conductance	21.6	J		1.00		µS/cm	GE	EPA9050A
0 Gross alpha	3.75E-10±3.13E-10	U		4.41E-10		µCi/mL	GP	EPIA-001
0 Nonvolatile beta	6.16E-10±5.99E-10	U		1.26E-09		µCi/mL	GP	EPIA-001
0 Tritium	-7.99E-08±3.80E-07	U		6.69E-07		µCi/mL	GP	EPIA-002

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## WELL HSB 83D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/26/99  
 Depth to water: 13.22 ft (4.03 m) below TOC  
 Water elevation: 223.78 ft (68.21 m) msl  
 pH: 4.8  
 Sp. conductance: 53 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 60 gal

Time: 12:20  
 Water temperature: 20.4°C  
 Air temperature: 24.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Mercury, total recoverable	0.283			0.200		µg/L	GE	EPA7470A
0 Nitrate-nitrite as nitrogen	3,540			150		µg/L	GE	EPA353.1
0 pH	5.28	J	Q	0.100		pH	GE	EPA9040B
0 Specific conductance	54.1	J		1.00		µS/cm	GE	EPA9050A
0 Gross alpha	1.84E-09±6.82E-10	J	I	5.92E-10		µCi/mL	GP	EPIA-001
0 Nonvolatile beta	1.91E-08±1.48E-09	J	K	1.20E-09		µCi/mL	GP	EPIA-001
2 Tritium	1.12E-04±2.25E-06			7.61E-07		µCi/mL	GP	EPIA-002

## WELL HSB 84A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/26/99  
 Depth to water: 56.25 ft (17.15 m) below TOC  
 Water elevation: 172.45 ft (52.56 m) msl  
 pH: 6  
 Sp. conductance: 60 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 174 gal

Time: 11:58  
 Water temperature: 20.5°C  
 Air temperature: 25.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 37 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0 Nitrate-nitrite as nitrogen	90.0	J		50.0		µg/L	GE	EPA353.1
0 pH	6.49	J	Q	0.100		pH	GE	EPA9040B
0 Specific conductance	112	J		1.00		µS/cm	GE	EPA9050A
0 Gross alpha	9.96E-10±5.01E-10	J	I	6.58E-10		µCi/mL	GP	EPIA-001
0 Nonvolatile beta	2.14E-08±1.36E-09	J		1.13E-09		µCi/mL	GP	EPIA-001
0 Tritium	2.29E-06±4.42E-07			6.06E-07		µCi/mL	GP	EPIA-002

## WELL HSB 84B

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/13/99  
 Depth to water: 19.7 ft (6 m) below TOC  
 Water elevation: 209.2 ft (63.76 m) msl  
 pH: 6.5  
 Sp. conductance: 140 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 156 gal

Time: 17:02  
 Water temperature: 20.7°C  
 Air temperature: 21.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 66 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0 Nitrate-nitrite as nitrogen	920	J		50.0		µg/L	GE	EPA353.1
0 pH	7.65	J	Q	0.100		pH	GE	EPA9040B
0 pH	7.65	J	Q	0.100		pH	GE	EPA9040B
0 Specific conductance	191	J		1.00		µS/cm	GE	EPA9050A
0 Gross alpha	8.71E-10±5.38E-10	J	I	8.37E-10		µCi/mL	GP	EPIA-001
0 Nonvolatile beta	3.73E-09±7.49E-10	J		1.09E-09		µCi/mL	GP	EPIA-001
2 Tritium	3.00E-05±1.07E-06			6.32E-07		µCi/mL	GP	EPIA-002

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**WELL HSB 84C**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/13/99  
 Depth to water: 17.3 ft (5.27 m) below TOC  
 Water elevation: 211.8 ft (64.56 m) msl  
 pH: 6.6  
 Sp. conductance: 80 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200	µg/L	GE	EPA7470A	
0	Nitrate-nitrite as nitrogen	3.390			150	µg/L	GE	EPA353.1	
0	pH	6.75	J	Q	0.100	pH	GE	EPA9040B	
0	Specific conductance	82.0			1.00	µS/cm	GE	EPA9050A	
0	Specific conductance	82.8			1.00	µS/cm	GE	EPA9050A	
0	Gross alpha	2.15E-10±3.15E-10	U		4.55E-10	µCi/ml	GP	EPIA-001	
0	Nonvolatiles beta	4.71E-09±7.76E-10			1.03E-09	µCi/ml	GP	EPIA-001	
2	Tritium	4.45E-04±3.86E-06			6.26E-07	µCi/ml	GP	EPIA-002	

**WELL HSB 84D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/12/99  
 Depth to water: 12.4 ft (3.78 m) below TOC  
 Water elevation: 216.4 ft (65.96 m) msl  
 pH: 4.4  
 Sp. conductance: 46 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 27 gal

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.183	J	I	0.200	µg/L	GE	EPA7470A	
0	Nitrate-nitrite as nitrogen	1.960			50.0	µg/L	GE	EPA353.1	
0	pH	4.45	J	Q	0.100	pH	GE	EPA9040B	
0	Specific conductance	46.4			1.00	µS/cm	GE	EPA9050A	
0	Gross alpha	4.62E-09±3.18E-10			5.94E-10	µCi/ml	GP	EPIA-001	
2	Nonvolatiles beta	2.24E-07±4.31E-09			1.05E-09	µCi/ml	GP	EPIA-001	
2	Tritium	4.57E-05±1.30E-06			6.95E-07	µCi/ml	GP	EPIA-002	
2	Tritium	4.60E-05±1.31E-06			6.94E-07	µCi/ml	GP	EPIA-002	

**WELL HSB 85A**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/21/99  
 Depth to water: 125.2 ft (38.16 m) below TOC  
 Water elevation: 169.2 ft (51.37 m) msl  
 pH: 6.6  
 Sp. conductance: 180 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 166 gal

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO3)	89.3			26.800	mg/L	WA	EPA310.1	
0	Aluminum, total recoverable	<15.0	U		15.0	µg/L	GE	EPA6020	
0	Aluminum, total recoverable	<146	U		146	µg/L	WA	EPA6010B	
0	Antimony, total recoverable	<146	U		146	µg/L	WA	EPA6010B	
0	Antimony, total recoverable	<27.0	U		27.0	µg/L	WA	EPA6010B	
0	Antimony, total recoverable	<40.0	U		40.0	µg/L	WA	EPA6010B	
0	Arsenic, total recoverable	<40.0	U		40.0	µg/L	WA	EPA6010B	
0	Arsenic, total recoverable	<40.0	U		40.0	µg/L	WA	EPA6010B	
0	Barium, total recoverable	29.5	U		1.80	µg/L	WA	EPA6010B	
0	Barium, total recoverable	<266	U		266	µg/L	WA	EPA6010B	
0	Boron, total recoverable	<266	U		266	µg/L	WA	EPA6010B	
0	Bromochloromethane	<5.00	U		5.00	µg/L	WA	EPA8260B	

**ESH-EMS-990521**

Well HSB 85A collected on 04/21/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Bromofrom	<5.00	U		5.00	µg/L	WA	EPA8260B	
0	Bromomethane	<10.0	U		10.0	µg/L	WA	EPA8260B	
0	Cadmium, total recoverable	<0.330	JU	I	4	µg/L	GE	EPA6020	
0	Cadmium, total recoverable	<4.70	U		4.70	µg/L	WA	EPA6010B	
0	Cadmium, total recoverable	<4.70	U		4.70	µg/L	WA	EPA6010B	
0	Carbon tetrachloride	<5.00	U		5.00	µg/L	WA	EPA8260B	
0	Chlorobenzene	<5.00	U		5.00	µg/L	WA	EPA8260B	
0	Chloroethane	<10.0	U		10.0	µg/L	WA	EPA8260B	
0	Chloroethene (Vinyl chloride)	<10.0	U		10.0	µg/L	WA	EPA8260B	
0	2-Chloroethyl vinyl ether	<10.0	U		10.0	µg/L	WA	EPA8260B	
0	Chloroform	<5.00	U		5.00	µg/L	WA	EPA8260B	
0	Chloromethane	<10.0	U		10.0	µg/L	WA	EPA8260B	
0	Chromium, total recoverable	<0.880	JU	I	4	µg/L	WA	EPA6010B	
0	Chromium, total recoverable	0.920	JU	I	4	µg/L	WA	EPA6010B	
0	Copper, total recoverable	1.60	J		7.00	µg/L	WA	EPA6010B	
0	Copper, total recoverable	<15.0	J		15.0	µg/L	WA	EPA6010B	
0	Dibromochloromethane	<5.00	U		5.00	µg/L	WA	EPA8260B	
0	1,1-Dichloroethane	<5.00	U		5.00	µg/L	WA	EPA8260B	
0	1,2-Dichloroethane	<5.00	U		5.00	µg/L	WA	EPA8260B	
0	1,1-Dichloroethylene	<5.00	U		5.00	µg/L	WA	EPA8260B	
0	trans-1,2-Dichloroethylene	<5.00	U		5.00	µg/L	WA	EPA8260B	
0	Dichloromethane	<5.00	U		5.00	µg/L	WA	EPA8260B	
0	1,2-Dichloropropane	<5.00	U		5.00	µg/L	WA	EPA8260B	
0	cis-1,3-Dichloropropene	<5.00	U		5.00	µg/L	WA	EPA8260B	
0	trans-1,3-Dichloropropene	<5.00	U		5.00	µg/L	WA	EPA8260B	
0	Ethylbenzene	<5.00	U		5.00	µg/L	WA	EPA8260B	
0	Iron, total recoverable	41.0	J	K	CI	µg/L	GE	EPA6020	
0	Iron, total recoverable	15.7	J		74.0	µg/L	WA	EPA6010B	
0	Iron, total recoverable	<74.0	J		74.0	µg/L	WA	EPA6010B	
0	Lead, total recoverable	0.631	J		2.00	µg/L	GE	EPA6020	
0	Lead, total recoverable	<47.0	J		47.0	µg/L	WA	EPA6010B	
0	Lead, total recoverable	<47.0	J		47.0	µg/L	WA	EPA6010B	
0	Lithium, total recoverable	3.90	U		2.70	µg/L	WA	EPA6010B	
0	Lithium, total recoverable	3.80	U		2.70	µg/L	WA	EPA6010B	
0	Mercury, total recoverable	<0.200	U		0.200	µg/L	GE	EPA7470A	
0	Mercury, total recoverable	<0.700	U		0.700	µg/L	WA	EPA6010B	
0	Nickel, total recoverable	<26.0	U		26.0	µg/L	WA	EPA6010B	
0	Nickel, total recoverable	<26.0	U		26.0	µg/L	WA	EPA6010B	
0	Nitrate-nitrite as nitrogen	30.0	J	I	50.0	µg/L	GE	EPA353.1	
0	pH	6.94	J	Q	0.100	pH	GE	EPA9040B	
0	Phenols	<37.0	J		37.0	µg/L	WA	EPA9066	
0	Phenols	<37.0	J		37.0	µg/L	WA	EPA9066	
0	Selenium, total recoverable	<66.0	U		66.0	µg/L	WA	EPA6010B	
0	Selenium, total recoverable	<66.0	U		66.0	µg/L	WA	EPA6010B	
0	Silver, total recoverable	<5.00	U		5.00	µg/L	WA	EPA6010B	
0	Silver, total recoverable	<5.00	U		5.00	µg/L	WA	EPA6010B	
0	Specific conductance	187	U		1.00	µS/cm	GE	EPA9050A	
0	Specific conductance	186	U		1.00	µS/cm	GE	EPA9050A	
0	Sulfate	5.960	U		340	µg/L	WA	EPA9056	
0	1,1,2,2-Tetrachloroethane	<5.00	U		5.00	µg/L	WA	EPA8260B	
0	Tetrachloroethylene	<5.00	U		5.00	µg/L	WA	EPA8260B	
0	Tin, total recoverable	<70.0	U		70.0	µg/L	WA	EPA6010B	
0	Tin, total recoverable	<70.0	U		70.0	µg/L	WA	EPA6010B	
0	Toluene	<5.00	U		5.00	µg/L	WA	EPA8260B	
0	Total dissolved solids	106,000	U		50,000	µg/L	WA	EPA160.1	
0	Total organic carbon	1.960	U		1,000	µg/L	WA	EPA9060	
0	1,1,1-Trichloroethane	<120	U		120	µg/L	WA	EPA9020B	
0	1,1,1-Trichloroethane	<5.00	U		5.00	µg/L	WA	EPA8260B	
0	1,1,2-Trichloroethane	<5.00	U		5.00	µg/L	WA	EPA8260B	
0	Trichloroethylene	<5.00	U		5.00	µg/L	WA	EPA8260B	
0	Trichlorofluoromethane	<5.00	U		5.00	µg/L	WA	EPA8260B	
0	Xylenes	<53.0	U		53.0	µg/L	WA	EPA8260B	
0	Zinc, total recoverable	<53.0	U		53.0	µg/L	WA	EPA6010B	
0	Zinc, total recoverable	<53.0	U		53.0	µg/L	WA	EPA6010B	
0	Carbon-14	1.09E-09±4.43E-09	U		7.60E-09	µCi/ml	GP	EPIA-003	
0	Gross alpha	3.88E-10±9.14E-10	U		9.00E-10	µCi/ml	GP	EPIA-001	
0	Gross alpha	8.16E-10±5.21E-10	U		8.57E-10	µCi/ml	GP	EPIA-001	
2	Nonvolatiles beta	9.21E-07±8.25E-09	U		2.34E-09	µCi/ml	GP	EPIA-001	
0	Nonvolatiles beta	6.27E-10±6.28E-10	U		1.31E-09	µCi/ml	GP	EPIA-001	
0	Radium, total alpha-emitting	1.00E-10±4.00E-10	U		6.74E-10	µCi/ml	GP	EPIA-010	
0	Strontium-90	2.76E-10±5.46E-10	JU	L	9.11E-10	µCi/ml	GP	EPIA-004	
0	Tritium	<2.51E-07±3.63E-07	U		6.54E-07	µCi/ml	GP	EPIA-002	
0	Tritium	<1.73E-07±3.22E-07	U		5.77E-07	µCi/ml	GP	EPIA-002	

**WELL HSB 85B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/21/99  
 Depth to water: 61.78 ft (18.83 m) below TOC  
 Water elevation: 232.72 ft (70.93 m) msl  
 pH: 11.2  
 Sp. conductance: 500 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 9:25  
 Water temperature: 19.7°C  
 Air temperature: 17.5°C  
 Total alkalinity (as CaCO3): 108 mg/L  
 Phenolphthalein alkalinity: 82 mg/L  
 Field Qualifier(s): SXH

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO3)	97.8				26,800	mg/L	WA	EPA310.1
0	Alkalinity (as CaCO3)	99.2				26,800	mg/L	WA	EPA310.1
2	Aluminum, total recoverable	950				146	µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	28.5				1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	JU	Q		10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	JU	Q		10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	JU	Q		10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	JU	Q		10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	JU	Q		10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	3.20	J			7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	<15.0	U			15.0	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Iron, total recoverable	31.4				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	5.20				2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nickel, total recoverable	<26.0	U			26.0	µg/L	WA	EPA6010B
0	Nitrate-nitrite as nitrogen	340				50.0	µg/L	GE	EPA353.1
1	pH	9.57	J	Q		0.100	pH	GE	EPA9040B
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Specific conductance	196				1.00	µS/cm	GE	EPA9050A
0	Sulfate	1,900				340	µg/L	WA	EPA9056
0	Sulfate	2,020				340	µg/L	WA	EPA9056
0	1,1,2,2-Tetrachloroethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	101,000				50,000	µg/L	WA	EPA160.1
0	Total organic carbon	897	J			1,000	µg/L	WA	EPA9060
0	Total organic halogens	12.4	J			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	<53.0	U			53.0	µg/L	WA	EPA6010B
0	Carbon-14	-2.14E-10±4.31E-09	U			7.47E-09	µCi/mL	GP	EPIA-003
0	Gross alpha	3.99E-09±8.88E-10	U			7.94E-10	µCi/mL	GP	EPIA-001
0	Gross alpha	6.60E-10±5.53E-10	U			1.02E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.37E-09±1.21E-09	J			1.95E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.67E-09±6.88E-10	J			1.12E-09	µCi/mL	GP	EPIA-001
0	Radium, total alpha-emitting	0.00E+00±3.00E-10	U			6.78E-10	µCi/mL	GP	EPIA-010

**ESH-EMS-990521**

Well HSB 85B collected on 04/21/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Strontium-90	2.08E-11±4.99E-10	JU	L	C	8.43E-10	µCi/mL	GP	EPIA-004
0	Tritium	1.08E-06±4.25E-07	J	I		6.61E-07	µCi/mL	GP	EPIA-002
0	Tritium	1.01E-06±4.20E-07	J	I		6.57E-07	µCi/mL	GP	EPIA-002
0	Tritium	9.59E-07±3.73E-07	J	I		5.79E-07	µCi/mL	GP	EPIA-002

**WELL HSB 85C**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/21/99  
 Depth to water: 55.25 ft (16.84 m) below TOC  
 Water elevation: 238.85 ft (72.8 m) msl  
 pH: 4.5  
 Sp. conductance: 40 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 56 gal

Time: 8:40  
 Water temperature: 20.4°C  
 Air temperature: 17.5°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Alkalinity (as CaCO3)	<13.4	U			13,400	mg/L	WA	EPA310.1
2	Aluminum, total recoverable	73.3	J	I		146	µg/L	WA	EPA6010B
0	Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	12.7				1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Bromodichloromethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	JU	Q		10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	JU	Q		10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	JU	Q		10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	JU	Q		10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	JU	Q		10.0	µg/L	WA	EPA8260B
0	Chromium, total recoverable	<0.780	JU	I	4	7.00	µg/L	WA	EPA6010B
0	Copper, total recoverable	38.4				15.0	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Iron, total recoverable	27.9	J	I		74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.710	J	I		2.70	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nickel, total recoverable	<26.0	U			26.0	µg/L	WA	EPA6010B
0	Nitrate-nitrite as nitrogen	2,560				50.0	µg/L	GE	EPA353.1
0	pH	4.59	J	Q		0.100	pH	GE	EPA9040B
0	Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Specific conductance	40.8				1.00	µS/cm	GE	EPA9050A
0	Sulfate	224	J	I	Q	340	µg/L	WA	EPA9056
0	1,1,2,2-Tetrachloroethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0	Toluene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Total dissolved solids	14,000	J	I		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	866	J			1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	1,1,1-Trichloroethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	JU	Q		5.00	µg/L	WA	EPA8260B
0	Zinc, total recoverable	<53.0	U			53.0	µg/L	WA	EPA6010B

**B-131**

**Second Quarter 1999**

Well HSB 85C collected on 04/21/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon-14	3.75E-10±4.43E-09	U			7.65E-09	µCi/mL	GP	EPIA-003
0	Carbon-14	2.67E-09±4.45E-09	U			7.53E-09	µCi/mL	GP	EPIA-003
0	Gross alpha	-4.98E-10±5.82E-10	U			1.18E-09	µCi/mL	GP	EPIA-001
0	Gross alpha	1.94E-09±5.33E-10	J	I		8.24E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	-3.65E-10±1.19E-09	U			2.07E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.22E-09±6.83E-10	J	I		1.19E-09	µCi/mL	GP	EPIA-001
1	Radium, total alpha-emitting	2.70E-09±9.00E-10				6.66E-10	µCi/mL	GP	EPIA-010
1	Radium, total alpha-emitting	3.40E-09±1.00E-09				6.59E-10	µCi/mL	GP	EPIA-010
0	Strontium-90	-2.32E-10±6.92E-10	JU	L	C	1.18E-09	µCi/mL	GP	EPIA-004
0	Strontium-90	-7.92E-10±4.65E-10	JU	L	C	8.23E-10	µCi/mL	GP	EPIA-004
0	Tritium	9.37E-06±8.25E-07				5.74E-07	µCi/mL	GP	EPIA-002
0	Tritium	9.69E-06±6.36E-07				5.79E-07	µCi/mL	GP	EPIA-002
0	Tritium	9.17E-06±6.23E-07				5.79E-07	µCi/mL	GP	EPIA-002

## WELL HSB 86A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/16/99  
 Depth to water: 93.27 ft (28.43 m) below TOC  
 Water elevation: 169.13 ft (51.55 m) msl  
 pH: 7  
 Sp. conductance: 60 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 251 gal

Time: 11:19  
 Water temperature: 20.5°C  
 Air temperature: 19°C  
 Total alkalinity (as CaCO<sub>3</sub>): 34 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	<20.0	U	V		50.0	µg/L	GE	EPA353.1
0	pH	6.69	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	136				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	3.43E-10±4.73E-10	U			9.90E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.35E-09±7.56E-10	U			1.50E-09	µCi/mL	GP	EPIA-001
0	Tritium	4.67E-07±3.35E-07	U			5.48E-07	µCi/mL	GP	EPIA-002

## WELL HSB 86B

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/16/99  
 Depth to water: 43.7 ft (13.32 m) below TOC  
 Water elevation: 218.2 ft (66.51 m) msl  
 pH: 7.2  
 Sp. conductance: 130 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 210 gal

Time: 11:28  
 Water temperature: 20.7°C  
 Air temperature: 20.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 94 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Mercury, total recoverable	<0.450	U			0.450	µg/L	WA	EPA7470A
0	Nitrate-nitrite as nitrogen	60.0				50.0	µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	70.0				50.0	µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	58.0				20.0	µg/L	WA	EPA353.2
0	Nitrate-nitrite as nitrogen	7.41	J	Q		0.100	pH	GE	EPA9040B
0	pH	7.02	J	Q		0.100	pH	WA	EPA9040B
0	Specific conductance	229				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	173				8.90	µS/cm	WA	EPA9050A
0	Specific conductance	173				8.90	µS/cm	WA	EPA9050A
0	Gross alpha	9.14E-10±6.09E-10	U			9.53E-10	µCi/mL	GP	EPIA-001
0	Gross alpha	6.60E-10±8.20E-10	U			1.37E-09	µCi/mL	TM	EPA900.0M
0	Gross alpha	2.20E-09±7.37E-10	J	I		1.27E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	4.10E-10±1.07E-09	U			1.85E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	4.10E-10±1.07E-09	U			5.73E-07	µCi/mL	GP	EPIA-002
0	Tritium	5.73E-07±3.41E-07	U		6	5.51E-07	µCi/mL	GP	EPIA-002
0	Tritium	9.20E-07±3.60E-07	U		6	5.30E-07	µCi/mL	TM	EPA906.0M

## WELL HSB 86B Replicate

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/16/99  
 Depth to water: 43.7 ft (13.32 m) below TOC  
 Water elevation: 218.2 ft (66.51 m) msl  
 pH: 7.2  
 Sp. conductance: 130 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 210 gal

Time: 11:28  
 Water temperature: 20.7°C  
 Air temperature: 20.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 94 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	60.0				50.0	µg/L	GE	EPA353.1
0	pH	7.46	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	222				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	8.98E-10±5.84E-10	J	I		8.13E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	6.78E-10±6.10E-10	U			1.26E-09	µCi/mL	GP	EPIA-001
0	Tritium	7.29E-07±3.52E-07	U		6	5.57E-07	µCi/mL	GP	EPIA-002

## WELL HSB 86C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/20/99  
 Depth to water: 42.9 ft (13.08 m) below TOC  
 Water elevation: 220 ft (67.06 m) msl  
 pH: 4.2  
 Sp. conductance: 270 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 74 gal

Time: 12:21  
 Water temperature: 20.6°C  
 Air temperature: 29.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Mercury, total recoverable	2.75				0.200	µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	37,800				1,250	µg/L	GE	EPA353.1
0	pH	4.68	J	Q		0.100	pH	GE	EPA9040B
1	Specific conductance	338				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	3.96E-08±3.58E-09				9.83E-10	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	3.84E-07±6.24E-09	J	K	I	1.35E-09	µCi/mL	GP	EPIA-001
2	Tritium	7.41E-03±1.39E-04				7.83E-06	µCi/mL	GP	EPIA-002

## WELL HSB 86D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/20/99  
 Depth to water: 43.05 ft (13.12 m) below TOC  
 Water elevation: 219.95 ft (67.04 m) msl  
 pH: 3.8  
 Sp. conductance: 200 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 31 gal

Time: 13:03  
 Water temperature: 20.4°C  
 Air temperature: 27.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.161	J	I		0.200	µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	25,000				1,250	µg/L	GE	EPA353.1
0	pH	4.04	J	Q		0.100	pH	GE	EPA9040B
1	Specific conductance	255				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	3.81E-08±3.19E-09				8.27E-10	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	1.31E-06±1.14E-08	J	K	I	1.24E-09	µCi/mL	GP	EPIA-001
2	Tritium	2.64E-03±5.10E-05				4.42E-06	µCi/mL	GP	EPIA-002

## WELL HSB100C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 33.63 ft (10.31 m) below TOC  
 Water elevation: 226.37 ft (69 m) msl  
 pH: 4.9  
 Sp. conductance: 30 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 171 gal

Time: 9:48  
 Water temperature: 20.2°C  
 Air temperature: 13.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 6 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	130			50.0		µg/L	GE	EPA353.1
0	pH	5.74	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	33.5			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	8.39E-11±3.28E-10	U		8.05E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.47E-09±6.55E-10	J	I	1.24E-09		µCi/mL	GP	EPIA-001
0	Tritium	1.04E-06±4.26E-07	J	I	6.67E-07		µCi/mL	GP	EPIA-002

## WELL HSB100D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 25.58 ft (7.8 m) below TOC  
 Water elevation: 234.52 ft (71.48 m) msl  
 pH: 4.6  
 Sp. conductance: 52 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 38 gal

Time: 9:31  
 Water temperature: 21.2°C  
 Air temperature: 13°C  
 Total alkalinity (as CaCO<sub>3</sub>): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	3,140			100		µg/L	GE	EPA353.1
0	pH	5.38	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	57.5			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	1.81E-09±6.60E-10	J	I	6.58E-10		µCi/mL	GP	EPIA-001
2	Nonvolatile beta	1.10E-07±3.29E-09			1.31E-09		µCi/mL	GP	EPIA-001
2	Tritium	8.84E-05±1.78E-06			6.69E-07		µCi/mL	GP	EPIA-002

## WELL HSB101C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/26/99  
 Depth to water: 27.38 ft (8.35 m) below TOC  
 Water elevation: 231.12 ft (70.45 m) msl  
 pH: 7.7  
 Sp. conductance: 480 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 75 gal

Time: 12:40  
 Water temperature: 21.1°C  
 Air temperature: 29.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 114 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Mercury, total recoverable	7.83			0.200		µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	25,500			1,250		µg/L	GE	EPA353.1
0	pH	7.85	J	Q	0.100		pH	GE	EPA9040B
2	Specific conductance	516			1.00		µS/cm	GE	EPA9050A
1	Gross alpha	7.91E-09±1.88E-09			1.71E-09		µCi/mL	GP	EPIA-001
1	Nonvolatile beta	2.81E-08±1.84E-09	J	K	1.45E-09		µCi/mL	GP	EPIA-001
2	Tritium	3.47E-03±6.74E-05			4.83E-06		µCi/mL	GP	EPIA-002

## WELL HSB101D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 33.27 ft (10.14 m) below TOC  
 Water elevation: 225.43 ft (68.71 m) msl  
 pH: 5.4  
 Sp. conductance: 64 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 56 gal

Time: 10:17  
 Water temperature: 20°C  
 Air temperature: 15.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 11 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	530			50.0		µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	530			50.0		µg/L	GE	EPA353.1
0	pH	5.94	J	Q	0.100		pH	GE	EPA9040B
0	pH	5.92	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	42.1			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	4.26E-10±1.54E-10	J	I	1.73E-10		µCi/mL	GP	EPIA-001
0	Gross alpha	7.25E-10±4.21E-10	J	I	4.92E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.17E-09±3.07E-10			4.68E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.56E-09±6.27E-10	J	I	1.14E-09		µCi/mL	GP	EPIA-001
0	Tritium	6.71E-06±6.16E-07			6.73E-07		µCi/mL	GP	EPIA-002

## WELL HSB102C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 34.65 ft (10.56 m) below TOC  
 Water elevation: 224.35 ft (68.38 m) msl  
 pH: 5.4  
 Sp. conductance: 140 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 108 gal

Time: 11:03  
 Water temperature: 21.2°C  
 Air temperature: 25.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 12 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.411			0.200		µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	15,800			1,250		µg/L	GE	EPA353.1
0	pH	5.97	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	190			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	2.01E-09±7.91E-10	J	I	7.80E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	4.36E-09±9.14E-10			1.44E-09		µCi/mL	GP	EPIA-001
2	Tritium	1.76E-04±2.48E-06			6.65E-07		µCi/mL	GP	EPIA-002

## WELL HSB102D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/13/99  
 Depth to water: 29.9 ft (9.11 m) below TOC  
 Water elevation: 228.7 ft (69.71 m) msl  
 pH: 3.7  
 Sp. conductance: 210 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 13:30  
 Water temperature: 20.7°C  
 Air temperature: 25.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Mercury, total recoverable	2.85			0.200		µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	17,800			1,250		µg/L	GE	EPA353.1
1	pH	3.79	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	223			1.00		µS/cm	GE	EPA9050A
2	Gross alpha	8.38E-08±4.11E-09			4.37E-10		µCi/mL	GP	EPIA-001
2	Nonvolatile beta	1.78E-06±1.25E-08			1.04E-09		µCi/mL	GP	EPIA-001
2	Tritium	2.83E-03±9.72E-06			6.27E-07		µCi/mL	GP	EPIA-002

## WELL HSB103C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 24.4 ft (7.44 m) below TOC  
 Water elevation: 223 ft (67.97 m) msl  
 pH: 4.6  
 Sp. conductance: 180 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 164 gal

Time: 11:48  
 Water temperature: 20.7°C  
 Air temperature: 24.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Mercury, total recoverable	1.37				0.200	µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	20,800				1,250	µg/L	GE	EPA353.1
0	pH	5.09	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	220				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	2.66E-09±9.96E-10	J	I		1.25E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.42E-08±1.34E-09				1.38E-09	µCi/mL	GP	EPIA-001
2	Tritium	4.82E-04±4.06E-06				6.65E-07	µCi/mL	GP	EPIA-002

## WELL HSB103D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: 23.42 ft (7.14 m) below TOC  
 Water elevation: 224.18 ft (68.33 m) msl  
 pH: 4.5  
 Sp. conductance: 160 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 15 gal

Time: 14:35  
 Water temperature: 20.3°C  
 Air temperature: 29.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Mercury, total recoverable	3.70				0.200	µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	14,500				1,250	µg/L	GE	EPA353.1
0	pH	4.57	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	169				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	1.61E-08±1.84E-09				6.91E-10	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	7.92E-07±7.82E-09				1.06E-09	µCi/mL	GP	EPIA-001
2	Tritium	9.70E-04±1.89E-05				2.48E-06	µCi/mL	GP	EPIA-002

## WELL HSB104C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 28.16 ft (8.58 m) below TOC  
 Water elevation: 219.74 ft (66.98 m) msl  
 pH: 7.6  
 Sp. conductance: 80 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 89 gal

Time: 12:43  
 Water temperature: 20.8°C  
 Air temperature: 25.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 25 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
1	Nitrate-nitrite as nitrogen	7,380				150	µg/L	GE	EPA353.1
0	pH	7.47	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	146				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.45E-09±7.25E-10	J	I		1.01E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.09E-08±1.19E-09				1.29E-09	µCi/mL	GP	EPIA-001
2	Tritium	1.99E-04±2.63E-06				6.64E-07	µCi/mL	GP	EPIA-002

## WELL HSB104D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: 25.41 ft (7.75 m) below TOC  
 Water elevation: 222.39 ft (67.79 m) msl  
 pH: 4.4  
 Sp. conductance: 70 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 18 gal

Time: 15:15  
 Water temperature: 19.8°C  
 Air temperature: 30°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Mercury, total recoverable	3.84				0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	4,440				100	µg/L	GE	EPA353.1
0	pH	4.44	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	74.1				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	5.38E-09±9.89E-10				5.08E-10	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	6.20E-07±6.86E-09				1.09E-09	µCi/mL	GP	EPIA-001
2	Tritium	2.45E-04±4.87E-06				1.20E-06	µCi/mL	GP	EPIA-002

## WELL HSB105C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 31.03 ft (9.46 m) below TOC  
 Water elevation: 218.47 ft (66.59 m) msl  
 pH: 5.2  
 Sp. conductance: 60 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 128 gal

Time: 13:26  
 Water temperature: 20°C  
 Air temperature: 20°C  
 Total alkalinity (as CaCO<sub>3</sub>): 14 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	4,140				150	µg/L	GE	EPA353.1
0	pH	6.05	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	91.5				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.32E-10±3.01E-10	U			7.00E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.02E-09±7.18E-10	J	I		1.30E-09	µCi/mL	GP	EPIA-001
2	Tritium	9.60E-05±1.85E-06				6.89E-07	µCi/mL	GP	EPIA-002

## WELL HSB105D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/13/99  
 Depth to water: 27.01 ft (8.23 m) below TOC  
 Water elevation: 222.49 ft (67.82 m) msl  
 pH: 4  
 Sp. conductance: 100 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 18 gal

Time: 10:47  
 Water temperature: 19.5°C  
 Air temperature: 17.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Mercury, total recoverable	8.20				0.200	µg/L	GE	EPA7470A
1	Nitrate-nitrite as nitrogen	9,100				250	µg/L	GE	EPA353.1
0	pH	4.12	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	107				1.00	µS/cm	GE	EPA9050A
1	Gross alpha	1.19E-08±1.64E-09				7.20E-10	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	4.69E-07±6.44E-09				1.19E-09	µCi/mL	GP	EPIA-001
2	Tritium	8.39E-04±5.27E-06				6.20E-07	µCi/mL	GP	EPIA-002

## WELL HSB106C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/21/99  
 Depth to water: 32.19 ft (9.81 m) below TOC  
 Water elevation: 220.71 ft (67.27 m) msl  
 pH: 6.4  
 Sp. conductance: 75 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 104 gal

Time: 10:38  
 Water temperature: 19.6°C  
 Air temperature: 17.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 4 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.277			0.200		µg/L	GE	EPA7470A
1	Nitrate-nitrite as nitrogen	6.330			150		µg/L	GE	EPA353.1
0	pH	5.73	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	80.7			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	7.20E-10±4.57E-10	J	I	6.48E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.88E-09±7.03E-10	J	I	1.29E-09		µCi/mL	GP	EPIA-001
2	Tritium	1.39E-04±2.77E-06			7.86E-07		µCi/mL	GP	EPIA-002

## WELL HSB106D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/13/99  
 Depth to water: 28.7 ft (8.75 m) below TOC  
 Water elevation: 224.2 ft (68.34 m) msl  
 pH: 4.4  
 Sp. conductance: 100 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 20 gal

Time: 11:37  
 Water temperature: 19.7°C  
 Air temperature: 22°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Mercury, total recoverable	1.47			0.200		µg/L	GE	EPA7470A
1	Nitrate-nitrite as nitrogen	9.850			250		µg/L	GE	EPA353.1
0	pH	4.49	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	116			1.00		µS/cm	GE	EPA9050A
1	Gross alpha	8.77E-09±1.55E-09			6.02E-10		µCi/mL	GP	EPIA-001
2	Nonvolatile beta	4.78E-07±6.53E-09			1.13E-09		µCi/mL	GP	EPIA-001
2	Tritium	5.10E-04±4.13E-06			6.24E-07		µCi/mL	GP	EPIA-002

## WELL HSB107C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 43.72 ft (13.33 m) below TOC  
 Water elevation: 217.88 ft (66.41 m) msl  
 pH: 6.6  
 Sp. conductance: 140 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 80 gal

Time: 10:53  
 Water temperature: 20.1°C  
 Air temperature: 18.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 25 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200			0.200		µg/L	GE	EPA7470A
1	Nitrate-nitrite as nitrogen	8.340			150		µg/L	GE	EPA353.1
0	pH	6.63	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	149			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	1.29E-10±3.20E-10	U		7.56E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	8.53E-09±1.06E-09			1.23E-09		µCi/mL	GP	EPIA-001
2	Tritium	3.84E-04±3.64E-06			6.71E-07		µCi/mL	GP	EPIA-002

## WELL HSB107D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/13/99  
 Depth to water: 39.83 ft (12.14 m) below TOC  
 Water elevation: 222.47 ft (67.81 m) msl  
 pH: 4.8  
 Sp. conductance: 115 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 12 gal

Time: 12:10  
 Water temperature: 20.6°C  
 Air temperature: 23.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Mercury, total recoverable	1.42			0.200		µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	11,600			500		µg/L	GE	EPA353.1
2	Nitrate-nitrite as nitrogen	11,900			500		µg/L	GE	EPA353.1
0	pH	5.02	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	122			1.00		µS/cm	GE	EPA9050A
2	Gross alpha	1.55E-08±1.81E-09			8.34E-10		µCi/mL	GP	EPIA-001
2	Nonvolatile beta	4.62E-07±6.39E-09			1.16E-09		µCi/mL	GP	EPIA-001
2	Tritium	2.89E-04±3.14E-06			6.33E-07		µCi/mL	GP	EPIA-002

## WELL HSB108C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 49.17 ft (14.99 m) below TOC  
 Water elevation: 217.03 ft (66.15 m) msl  
 pH: 6.6  
 Sp. conductance: 115 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 60 gal

Time: 10:01  
 Water temperature: 19.5°C  
 Air temperature: 14.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 43 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200			0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	1,660			50.0		µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	1,690			50.0		µg/L	GE	EPA353.1
0	pH	6.71	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	105			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	3.48E-10±3.79E-10	U		7.07E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.45E-09±6.76E-10	J	I	1.30E-09		µCi/mL	GP	EPIA-001
2	Tritium	1.39E-04±2.21E-06			6.68E-07		µCi/mL	GP	EPIA-002

## WELL HSB108D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/13/99  
 Depth to water: 45.23 ft (13.79 m) below TOC  
 Water elevation: 221.07 ft (67.38 m) msl  
 pH: 5  
 Sp. conductance: 62 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 14 gal

Time: 12:50  
 Water temperature: 20.7°C  
 Air temperature: 24.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.488			0.200		µg/L	GE	EPA7470A
1	Nitrate-nitrite as nitrogen	5,280			150		µg/L	GE	EPA353.1
0	pH	5.14	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	71.9			1.00		µS/cm	GE	EPA9050A
2	Gross alpha	1.84E-08±2.06E-09			6.95E-10		µCi/mL	GP	EPIA-001
2	Nonvolatile beta	9.86E-07±8.94E-09			1.08E-09		µCi/mL	GP	EPIA-001
2	Tritium	2.10E-04±2.67E-06			6.26E-07		µCi/mL	GP	EPIA-002

## WELL HSB109C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 44.35 ft (13.52 m) below TOC  
 Water elevation: 217.25 ft (66.22 m) msl  
 pH: 5.5  
 Sp. conductance: 51 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 79 gal

Time: 10:01  
 Water temperature: 19.8°C  
 Air temperature: 13°C  
 Total alkalinity (as CaCO<sub>3</sub>): 9 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	1.800			50.0		µg/L	GE	EPA353.1
0	pH	6.11	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	52.3			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	-4.39E-11±2.12E-10	U		6.63E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.03E-09±5.78E-10	U		1.13E-09		µCi/mL	GP	EPIA-001
2	Tritium	4.13E-05±1.24E-06			6.65E-07		µCi/mL	GP	EPIA-002

## WELL HSB109D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/13/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 5.4  
 Sp. conductance: 46 µS/cm  
 Turbidity: 1 NTU  
 No water was evacuated from the well prior to sampling.  
 The well went dry during purging.

Time: 13:10  
 Water temperature: 20.6°C  
 Air temperature: 24.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.107	J	I	0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	2.820			100		µg/L	GE	EPA353.1
0	pH	5.60	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	47.8			1.00		µS/cm	GE	EPA9050A
1	Gross alpha	8.08E-09±1.19E-09			5.94E-10		µCi/mL	GP	EPIA-001
2	Nonvolatile beta	2.86E-07±4.81E-09			1.02E-09		µCi/mL	GP	EPIA-001
2	Tritium	1.32E-04±2.17E-06			6.49E-07		µCi/mL	GP	EPIA-002

## WELL HSB110C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 38.25 ft (11.66 m) below TOC  
 Water elevation: 217.45 ft (66.28 m) msl  
 pH: 5.4  
 Sp. conductance: 25 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 9:25  
 Water temperature: 18.1°C  
 Air temperature: 11.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	480			50.0		µg/L	GE	EPA353.1
0	pH	5.50	J	Q	0.100		pH	GE	EPA9040B
0	pH	5.50	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	24.1			1.00		µS/cm	GE	EPA9050A
0	Specific conductance	24.0			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	4.41E-10±4.68E-10	U		9.26E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	-4.31E-10±5.87E-10	U		1.45E-09		µCi/mL	GP	EPIA-001
0	Tritium	8.72E-06±6.63E-07			6.64E-07		µCi/mL	GP	EPIA-002

## WELL HSB110D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 36.48 ft (11.12 m) below TOC  
 Water elevation: 219.12 ft (66.79 m) msl  
 pH: 4.6  
 Sp. conductance: 42 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 15 gal

Time: 9:07  
 Water temperature: 19.7°C  
 Air temperature: 10.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	1.720			50.0		µg/L	GE	EPA353.1
0	pH	4.46	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	42.3	J		1.00		µS/cm	GE	EPA9050A
0	Specific conductance	42.5	J		1.00		µS/cm	GE	EPA9050A
0	Gross alpha	2.27E-09±7.44E-10			5.30E-10		µCi/mL	GP	EPIA-001
2	Nonvolatile beta	6.46E-08±2.74E-09			1.31E-09		µCi/mL	GP	EPIA-001
2	Tritium	2.41E-05±9.78E-07			6.61E-07		µCi/mL	GP	EPIA-002

## WELL HSB111C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 37.91 ft (11.56 m) below TOC  
 Water elevation: 218.09 ft (66.47 m) msl  
 pH: 4.8  
 Sp. conductance: 91 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 132 gal

Time: 9:14  
 Water temperature: 20.3°C  
 Air temperature: 9.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
1	Nitrate-nitrite as nitrogen	8.370			150		µg/L	GE	EPA353.1
0	pH	5.17	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	90.9	J		1.00		µS/cm	GE	EPA9050A
0	Gross alpha	8.35E-10±5.11E-10	J	I	7.08E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	9.44E-09±1.20E-09			1.36E-09		µCi/mL	GP	EPIA-001
2	Tritium	8.72E-04±5.43E-06			6.59E-07		µCi/mL	GP	EPIA-002

## WELL HSB111D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/26/99  
 Depth to water: 38.38 ft (11.7 m) below TOC  
 Water elevation: 217.62 ft (66.33 m) msl  
 pH: 5.2  
 Sp. conductance: 180 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 51 gal

Time: 10:14  
 Water temperature: 19.7°C  
 Air temperature: 24.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	18,800			1,250		µg/L	GE	EPA353.1
2	Nitrate-nitrite as nitrogen	19,300			1,250		µg/L	GE	EPA353.1
0	pH	5.43	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	197			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	2.25E-09±9.04E-10	J	I	1.10E-09		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.33E-08±1.64E-09	J	K	1.30E-09		µCi/mL	GP	EPIA-001
2	Tritium	2.46E-03±4.73E-05			3.93E-06		µCi/mL	GP	EPIA-002

## WELL HSB111E

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: 37.42 ft (11.41 m) below TOC  
 Water elevation: 218.48 ft (66.59 m) msl  
 pH: 4.6  
 Sp. conductance: 44 µS/cm  
 Turbidity: 3 NTU  
 Water evacuated from the well prior to sampling: 12 gal

Time: 10:17  
 Water temperature: 19.8°C  
 Air temperature: 22.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	2,240			50.0		µg/L	GE	EPA353.1
0	pH	4.60	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	49.0			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	1.24E-09±4.64E-10	J	I	4.57E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	4.06E-09±7.28E-10			1.09E-09		µCi/mL	GP	EPIA-001
2	Tritium	5.44E-05±1.34E-06			5.72E-07		µCi/mL	GP	EPIA-002

## WELL HSB112C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/26/99  
 Depth to water: 36.08 ft (11 m) below TOC  
 Water elevation: 218.82 ft (66.7 m) msl  
 pH: 5.4  
 Sp. conductance: 56 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 124 gal

Time: 10:06  
 Water temperature: 20.9°C  
 Air temperature: 21.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 10 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	2,730			50.0		µg/L	GE	EPA353.1
0	pH	6.16	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	64.1			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	5.66E-10±3.83E-10	U		5.98E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	3.40E-09±6.85E-10			1.06E-09		µCi/mL	GP	EPIA-001
2	Tritium	2.42E-04±3.09E-06			7.15E-07		µCi/mL	GP	EPIA-002

## WELL HSB112D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/26/99  
 Depth to water: 36.03 ft (10.98 m) below TOC  
 Water elevation: 219.07 ft (66.77 m) msl  
 pH: 5.2  
 Sp. conductance: 62 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 81 gal

Time: 9:11  
 Water temperature: 19.9°C  
 Air temperature: 19.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	4,170			150		µg/L	GE	EPA353.1
0	pH	5.60	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	67.4			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	6.20E-11±2.25E-10	U		5.45E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.36E-09±6.46E-10	J	I	1.11E-09		µCi/mL	GP	EPIA-001
2	Tritium	5.43E-04±4.60E-06			7.13E-07		µCi/mL	GP	EPIA-002

## WELL HSB112E

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/26/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 4.2  
 Sp. conductance: 44 µS/cm  
 Turbidity: 4 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 12:51  
 Water temperature: 20.8°C  
 Air temperature: 28.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	2,830			50.0		µg/L	GE	EPA353.1
0	pH	4.96	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	50.7			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	1.18E-09±4.84E-10	J	I	5.57E-10		µCi/mL	GP	EPIA-001
2	Nonvolatile beta	7.46E-08±2.37E-09			9.68E-10		µCi/mL	GP	EPIA-001
2	Tritium	4.56E-05±1.40E-06			7.21E-07		µCi/mL	GP	EPIA-002
2	Tritium	4.36E-05±1.26E-06			6.24E-07		µCi/mL	GP	EPIA-002

## WELL HSB113C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/22/99  
 Depth to water: 42.15 ft (12.85 m) below TOC  
 Water elevation: 218.85 ft (66.71 m) msl  
 pH: 4.2  
 Sp. conductance: 90 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 116 gal

Time: 11:41  
 Water temperature: 21.4°C  
 Air temperature: 30°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	11,200			250		µg/L	GE	EPA353.1
0	pH	4.85	J	Q	0.100		pH	GE	EPA9040B
0	pH	4.86	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	114			1.00		µS/cm	GE	EPA9050A
0	Specific conductance	114			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	1.88E-09±6.76E-10	J	I	9.19E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	9.12E-09±1.03E-09			1.17E-09		µCi/mL	GP	EPIA-001
2	Tritium	9.14E-04±1.79E-05			2.19E-06		µCi/mL	GP	EPIA-002

## WELL HSB113D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/20/99  
 Depth to water: 40.81 ft (12.44 m) below TOC  
 Water elevation: 220.09 ft (67.08 m) msl  
 pH: 3.6  
 Sp. conductance: 220 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 14:20  
 Water temperature: 22.1°C  
 Air temperature: 30.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.284			0.200		µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	27,000			1,250		µg/L	GE	EPA353.1
1	pH	3.79	J	Q	0.100		pH	GE	EPA9040B
1	pH	3.80	J	Q	0.100		pH	GE	EPA9040B
1	Specific conductance	290			1.00		µS/cm	GE	EPA9050A
1	Specific conductance	290			1.00		µS/cm	GE	EPA9050A
2	Gross alpha	2.78E-08±2.58E-09			6.97E-10		µCi/mL	GP	EPIA-001
2	Nonvolatile beta	2.11E-06±1.43E-08	J	K	1.30E-09		µCi/mL	GP	EPIA-001
2	Tritium	1.41E-03±2.73E-05			3.08E-06		µCi/mL	GP	EPIA-002

## WELL HSB114C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/26/99  
 Depth to water: 43 ft (13.11 m) below TOC  
 Water elevation: 220.8 ft (67.3 m) msl  
 pH: 4.7  
 Sp. conductance: 190 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 53 gal

Time: 9:13  
 Water temperature: 19.4°C  
 Air temperature: 19.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	19,500				1,250	µg/L	GE	EPA353.1
0	pH	4.80	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	201				1.00	µS/cm	GE	EPA9050A
1	Gross alpha	7.58E-09±1.45E-09				6.93E-10	µCi/mL	GP	EPIA-001
1	Nonvolatile beta	3.92E-08±2.09E-09	J	K	I	1.54E-09	µCi/mL	GP	EPIA-001
2	Tritium	2.46E-03±4.81E-05				3.99E-06	µCi/mL	GP	EPIA-002

## WELL HSB114D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/13/99  
 Depth to water: 45.6 ft (13.9 m) below TOC  
 Water elevation: 218.4 ft (66.57 m) msl  
 pH: 3.9  
 Sp. conductance: 400 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 13 gal

Time: 9:16  
 Water temperature: 22.4°C  
 Air temperature: 21.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.0807	J	I		0.200	µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	40,500				1,250	µg/L	GE	EPA353.1
2	Nitrate-nitrite as nitrogen	40,800				1,250	µg/L	GE	EPA353.1
1	pH	3.95	J	Q		0.100	pH	GE	EPA9040B
1	pH	3.97	J	Q		0.100	pH	GE	EPA9040B
1	Specific conductance	409				1.00	µS/cm	GE	EPA9050A
1	Specific conductance	410				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	1.97E-08±2.50E-09				8.79E-10	µCi/mL	GP	EPIA-001
2	Gross alpha	1.87E-08±2.56E-09				1.16E-09	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	1.02E-06±1.01E-08				1.19E-09	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	9.94E-07±1.02E-08				1.33E-09	µCi/mL	GP	EPIA-001
2	Tritium	5.99E-03±1.17E-04				6.67E-06	µCi/mL	GP	EPIA-002

## WELL HSB115C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/26/99  
 Depth to water: 48.65 ft (14.83 m) below TOC  
 Water elevation: 220.65 ft (67.25 m) msl  
 pH: 5.5  
 Sp. conductance: 160 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 95 gal

Time: 8:42  
 Water temperature: 20.4°C  
 Air temperature: 17.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 6 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	12,500				1,250	µg/L	GE	EPA353.1
0	pH	6.10	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	171				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	4.21E-09±1.07E-09				7.72E-10	µCi/mL	GP	EPIA-001
1	Nonvolatile beta	2.92E-08±1.77E-09	J	K	I	1.14E-09	µCi/mL	GP	EPIA-001
2	Tritium	1.87E-03±3.63E-05				3.67E-06	µCi/mL	GP	EPIA-002

## WELL HSB115D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/21/99  
 Depth to water: 48.41 ft (14.76 m) below TOC  
 Water elevation: 220.69 ft (67.27 m) msl  
 pH: 3.6  
 Sp. conductance: 280 µS/cm  
 Turbidity: 9 NTU  
 Water evacuated from the well prior to sampling: 10 gal  
 The well went dry during purging.

Time: 9:00  
 Water temperature: 29°C  
 Air temperature: 21.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	33,300				1,250	µg/L	GE	EPA353.1
0	pH	4.05	J	Q		0.100	pH	GE	EPA9040B
1	Specific conductance	314				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	4.40E-08±3.63E-09				9.09E-10	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	2.43E-06±1.56E-08	J	K	I	1.16E-09	µCi/mL	GP	EPIA-001
2	Tritium	4.34E-03±8.35E-05				5.93E-06	µCi/mL	GP	EPIA-002

## WELL HSB116C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/22/99  
 Depth to water: 35.47 ft (10.81 m) below TOC  
 Water elevation: 222.03 ft (67.68 m) msl  
 pH: 4.4  
 Sp. conductance: 50 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 70 gal

Time: 12:21  
 Water temperature: 21.4°C  
 Air temperature: 34°C  
 Total alkalinity (as CaCO<sub>3</sub>): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.168	U	V		0.200	µg/L	GE	EPA7470A
1	Nitrate-nitrite as nitrogen	8,280				150	µg/L	GE	EPA353.1
0	pH	5.23	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	88.3				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	7.95E-10±4.11E-10	J	I		5.09E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	4.37E-09±7.53E-10				1.01E-09	µCi/mL	GP	EPIA-001
2	Tritium	8.07E-04±1.59E-05				2.08E-06	µCi/mL	GP	EPIA-002

## WELL HSB116D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/20/99  
 Depth to water: 34.61 ft (10.55 m) below TOC  
 Water elevation: 222.19 ft (67.72 m) msl  
 pH: 3.8  
 Sp. conductance: 90 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 17 gal

Time: 9:26  
 Water temperature: 21°C  
 Air temperature: 15.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
1	Nitrate-nitrite as nitrogen	8,220				150	µg/L	GE	EPA353.1
0	pH	4.36	J	Q		0.100	pH	GE	EPA9040B
0	pH	4.39	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	94.4				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	94.4				1.00	µS/cm	GE	EPA9050A
2	Gross alpha	2.03E-08±2.38E-09				5.73E-10	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	9.00E-07±1.00E-08				1.31E-09	µCi/mL	GP	EPIA-001
2	Tritium	4.71E-05±1.33E-06				6.58E-07	µCi/mL	GP	EPIA-002

## WELL HSB117A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/16/99  
 Depth to water: 70.48 ft (21.48 m) below TOC  
 Water elevation: 166.82 ft (50.85 m) msl  
 pH: 6.4  
 Sp. conductance: 80 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 168 gal

Time: 13:06  
 Water temperature: 20.2°C  
 Air temperature: 24°C  
 Total alkalinity (as CaCO<sub>3</sub>): 55 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	<10.0	U	V	50.0		µg/L	GE	EPA353.1
0	pH	7.05	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	158			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	9.84E-10±5.69E-10	J	I	7.60E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.16E-09±6.24E-10	U		1.19E-09		µCi/mL	GP	EPIA-001
0	Tritium	8.97E-08±3.29E-07	U		5.69E-07		µCi/mL	GP	EPIA-002

## WELL HSB117C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/26/99  
 Depth to water: 19.51 ft (5.95 m) below TOC  
 Water elevation: 217.89 ft (66.41 m) msl  
 pH: 4.3  
 Sp. conductance: 360 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 93 gal

Time: 10:06  
 Water temperature: 18.7°C  
 Air temperature: 19.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.192	J	I	0.200		µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	39,000			1,250		µg/L	GE	EPA353.1
0	pH	4.58	J	Q	0.100		pH	GE	EPA9040B
1	Specific conductance	367			1.00		µS/cm	GE	EPA9050A
2	Gross alpha	1.92E-08±2.44E-09			8.66E-10		µCi/mL	GP	EPIA-001
2	Nonvolatile beta	8.81E-08±3.04E-09	J	K	1.58E-09		µCi/mL	GP	EPIA-001
2	Tritium	5.60E-03±1.09E-04			6.96E-06		µCi/mL	GP	EPIA-002

## WELL HSB117D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: 18.23 ft (5.56 m) below TOC  
 Water elevation: 219.37 ft (66.86 m) msl  
 pH: 4.7  
 Sp. conductance: 24 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 54 gal

Time: 8:05  
 Water temperature: 18.2°C  
 Air temperature: 16°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	590			50.0		µg/L	GE	EPA353.1
0	pH	5.15	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	22.5			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	4.84E-10±3.21E-10	J	I	4.71E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	7.99E-10±5.20E-10	U		1.04E-09		µCi/mL	GP	EPIA-001
1	Tritium	1.89E-05±8.69E-07			6.25E-07		µCi/mL	GP	EPIA-002

## WELL HSB118A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/22/99  
 Depth to water: 79.25 ft (24.16 m) below TOC  
 Water elevation: 168.05 ft (51.22 m) msl  
 pH: 6.5  
 Sp. conductance: 160 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 135 gal

Time: 8:34  
 Water temperature: 19.5°C  
 Air temperature: 15.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 48 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Mercury, total recoverable	<0.700	U		0.700		µg/L	WA	EPA7470A
0	Nitrate-nitrite as nitrogen	2,970			150		µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	2,840			100		µg/L	WA	EPA353.2
0	pH	6.94	J	Q	0.100		pH	GE	EPA9040B
0	pH	6.70	J	Q	0.100		pH	WA	EPA9040B
0	Specific conductance	177			1.00		µS/cm	GE	EPA9050A
0	Specific conductance	166			8.90		µS/cm	WA	EPA9050A
0	Gross alpha	-8.60E-11±4.21E-10	U		1.05E-09		µCi/mL	GP	EPIA-001
0	Gross alpha	3.30E-10±7.20E-10	U		1.30E-09		µCi/mL	TM	EPA900.0M
0	Gross alpha	1.13E-09±8.70E-10	U		1.28E-09		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.38E-09±6.72E-10	J	I	1.29E-09		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	6.38E-09±1.35E-09			1.81E-09		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	5.59E-09±1.31E-09			1.80E-09		µCi/mL	TM	EPA900.0M
2	Tritium	8.11E-04±1.59E-05			2.02E-06		µCi/mL	GP	EPIA-002
2	Tritium	9.39E-04±6.94E-06			4.60E-07		µCi/mL	GP	EPA906.0M
2	Tritium	9.06E-04±6.69E-06			4.40E-07		µCi/mL	TM	EPA906.0M

## WELL HSB118A Replicate

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/22/99  
 Depth to water: 79.25 ft (24.16 m) below TOC  
 Water elevation: 168.05 ft (51.22 m) msl  
 pH: 6.5  
 Sp. conductance: 160 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 135 gal

Time: 8:34  
 Water temperature: 19.5°C  
 Air temperature: 15.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 48 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	3,020			100		µg/L	GE	EPA353.1
0	pH	6.97	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	177			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	1.43E-09±6.60E-10	J	I	9.10E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	3.53E-09±7.14E-10			1.10E-09		µCi/mL	GP	EPIA-001
2	Tritium	8.21E-04±1.60E-05			1.96E-06		µCi/mL	GP	EPIA-002

## WELL HSB119A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/21/99  
 Depth to water: 89.79 ft (27.37 m) below TOC  
 Water elevation: 167.31 ft (51 m) msl  
 pH: 6.1  
 Sp. conductance: 140 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 125 gal

Time: 8:27  
 Water temperature: 20.8°C  
 Air temperature: 20.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 31 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
1	Nitrate-nitrite as nitrogen	5,400			150		µg/L	GE	EPA353.1
0	pH	6.53	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	148			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	1.11E-09±6.09E-10	J	I	8.04E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.34E-08±1.25E-09			1.14E-09		µCi/mL	GP	EPIA-001
2	Tritium	3.84E-04±7.56E-06			1.33E-06		µCi/mL	GP	EPIA-002

## WELL HSB120A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: 101.6 ft (30.97 m) below TOC  
 Water elevation: 166.6 ft (50.78 m) msl  
 pH: 6.9  
 Sp. conductance: 200 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 111 gal

Time: 7:10  
 Water temperature: 19.4°C  
 Air temperature: 14.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 83 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nitrate-nitrite as nitrogen	<40.0	U		6	50.0	µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	<34.0	U		6	20.0	µg/L	WA	EPA353.2
0	pH	7.35	J	Q		0.100	pH	GE	EPA9040B
0	pH	7.38	J	Q		0.100	pH	WA	EPA9040B
0	Specific conductance	214				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	168				8.90	µS/cm	WA	EPA9050A
0	Gross alpha	1.55E-09±6.14E-10	J	I		6.51E-10	µCi/mL	GP	EPIA-001
0	Gross alpha	9.70E-10±8.00E-10	U			1.20E-09	µCi/mL	TM	EPA900.0M
0	Gross alpha	9.70E-10±8.60E-10	U			1.31E-09	µCi/mL	TM	EPA900.0M
0	Gross alpha	1.24E-09±5.34E-10	J	I		9.91E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	7.50E-10±1.05E-09	U			1.78E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.01E-09±1.14E-09	J	I		1.81E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.01E-09±1.14E-09	J	I		5.63E-07	µCi/mL	GP	EPIA-002
0	Tritium	-2.41E-07±3.11E-07	U			4.90E-07	µCi/mL	TM	EPA906.0M
0	Tritium	1.20E-07±2.80E-07	U			4.90E-07	µCi/mL	TM	EPA906.0M
0	Tritium	1.00E-08±2.70E-07	U						

## WELL HSB120A Replicate

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: 101.6 ft (30.97 m) below TOC  
 Water elevation: 166.6 ft (50.78 m) msl  
 pH: 6.9  
 Sp. conductance: 200 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 111 gal

Time: 7:10  
 Water temperature: 19.4°C  
 Air temperature: 14.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 83 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	<20.0	U		6	50.0	µg/L	GE	EPA353.1
0	pH	7.40	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	213				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	9.96E-10±5.86E-10	J	I		8.97E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.98E-09±6.38E-10	J	I		1.10E-09	µCi/mL	GP	EPIA-001
0	Tritium	-1.68E-07±3.91E-07	U			6.97E-07	µCi/mL	GP	EPIA-002

## WELL HSB121A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/16/99  
 Depth to water: 102.43 ft (31.22 m) below TOC  
 Water elevation: 172.17 ft (52.48 m) msl  
 pH: 7.2  
 Sp. conductance: 160 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 184 gal

Time: 10:00  
 Water temperature: 20.5°C  
 Air temperature: 19.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 93 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	<10.0	U	V		50.0	µg/L	GE	EPA353.1
0	pH	7.87	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	244				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	4.03E-10±5.39E-10	U			1.08E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	8.32E-10±6.47E-10	U			1.32E-09	µCi/mL	GP	EPIA-001
0	Tritium	-3.30E-07±3.00E-07	U			5.53E-07	µCi/mL	GP	EPIA-002

ESH-EMS-990521

## WELL HSB122A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/21/99  
 Depth to water: 99.73 ft (30.4 m) below TOC  
 Water elevation: 171.87 ft (52.39 m) msl  
 pH: 6.8  
 Sp. conductance: 200 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 150 gal

Time: 9:10  
 Water temperature: 19.9°C  
 Air temperature: 18.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 75 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	20.0	J	I		50.0	µg/L	GE	EPA353.1
0	pH	7.13	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	212				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	3.83E-10±4.45E-10	U			8.43E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	8.87E-10±6.98E-10	U			1.45E-09	µCi/mL	GP	EPIA-001
0	Tritium	-2.27E-07±3.20E-07	U			5.77E-07	µCi/mL	GP	EPIA-002

## WELL HSB123A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/21/99  
 Depth to water: 93.09 ft (28.37 m) below TOC  
 Water elevation: 172.61 ft (52.61 m) msl  
 pH: 10.8  
 Sp. conductance: 880 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 1 gal

Time: 10:05  
 Water temperature: 20°C  
 Air temperature: 22.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 178 mg/L  
 Phenolphthalein alkalinity: 171 mg/L  
 Field Qualifier(s): SXH

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	40.0	J	I		50.0	µg/L	GE	EPA353.1
2	pH	11.7	J	Q		0.100	pH	GE	EPA9040B
2	Specific conductance	987				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	7.40E-10±9.05E-10	U			1.60E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	6.51E-09±1.03E-09	U			1.42E-09	µCi/mL	GP	EPIA-001
0	Tritium	-4.96E-07±3.07E-07	U			5.77E-07	µCi/mL	GP	EPIA-002

## WELL HSB124AR

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/21/99  
 Depth to water: 94.47 ft (28.79 m) below TOC  
 Water elevation: 172.33 ft (52.53 m) msl  
 pH: 6.7  
 Sp. conductance: 210 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 115 gal

Time: 9:59  
 Water temperature: 20.5°C  
 Air temperature: 21.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 81 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	20.0	J	I		50.0	µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	20.0	J	I		50.0	µg/L	GE	EPA353.1
0	pH	7.12	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	224				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.47E-09±7.55E-10	J	I		9.52E-10	µCi/mL	GP	EPIA-001
0	Gross alpha	9.00E-10±6.83E-10	U			1.17E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.38E-09±6.85E-10	J	I		1.32E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	8.35E-10±6.36E-10	U			1.31E-09	µCi/mL	GP	EPIA-001
0	Tritium	-2.22E-07±3.23E-07	U			5.82E-07	µCi/mL	GP	EPIA-002

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## WELL HSB125C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 9.19 ft (2.8 m) below TOC  
 Water elevation: 222.71 ft (67.88 m) msl  
 pH: 5.3  
 Sp. conductance: 26 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 192 gal

Time: 14:59  
 Water temperature: 20.1°C  
 Air temperature: 21.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 4 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	100				50.0	µg/L	GE	EPA353.1
0	pH	5.52	J	Q	X	0.100	pH	GE	EPA9040B
0	Specific conductance	26.4	J		X	1.00	µS/cm	GE	EPA9050A
0	Gross alpha	2.83E-10±3.55E-10	U			6.87E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	6.01E-10±6.53E-10	U			1.39E-09	µCi/mL	GP	EPIA-001
0	Tritium	2.26E-06±4.69E-07				6.62E-07	µCi/mL	GP	EPIA-002

## WELL HSB125D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 11.55 ft (3.52 m) below TOC  
 Water elevation: 220.15 ft (67.1 m) msl  
 pH: 5.2  
 Sp. conductance: 140 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 93 gal

Time: 15:04  
 Water temperature: 18.8°C  
 Air temperature: 20.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Mercury, total recoverable	1.06				0.200	µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	10,100				300	µg/L	GE	EPA353.1
0	pH	5.57	J	Q	X	0.100	pH	GE	EPA9040B
0	Specific conductance	141	J		X	1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.55E-09±7.08E-10	J	I		9.28E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	6.37E-09±1.07E-09	J			1.51E-09	µCi/mL	GP	EPIA-001
2	Tritium	6.61E-04±4.74E-06				6.62E-07	µCi/mL	GP	EPIA-002

## WELL HSB126C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 8.61 ft (2.62 m) below TOC  
 Water elevation: 203.99 ft (62.18 m) msl  
 pH: 7  
 Sp. conductance: 270 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 60 gal

Time: 11:22  
 Water temperature: 18.9°C  
 Air temperature: 15.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 76 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	12,600				250	µg/L	GE	EPA353.1
0	pH	7.74	J	Q	X	0.100	pH	GE	EPA9040B
1	Specific conductance	279	J		X	1.00	µS/cm	GE	EPA9050A
0	Gross alpha	2.27E-10±5.25E-10	U			1.18E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	4.49E-09±9.26E-10	U			1.38E-09	µCi/mL	GP	EPIA-001
2	Tritium	4.76E-04±4.03E-06				6.63E-07	µCi/mL	GP	EPIA-002

## WELL HSB126D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 8.15 ft (2.48 m) below TOC  
 Water elevation: 204.55 ft (62.35 m) msl  
 pH: 4.4  
 Sp. conductance: 270 µS/cm  
 Turbidity: 13 NTU  
 Water evacuated from the well prior to sampling: 2 gal  
 The well went dry during purging.

Time: 11:30  
 Water temperature: 18.8°C  
 Air temperature: 15.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Mercury, total recoverable	1.15				0.200	µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	27,800				1,250	µg/L	GE	EPA353.1
2	Nitrate-nitrite as nitrogen	27,300				1,250	µg/L	GE	EPA353.1
0	pH	4.88	J	Q	X	0.100	pH	GE	EPA9040B
0	pH	4.86	J		X	0.100	pH	GE	EPA9040B
1	Specific conductance	279	J		X	1.00	µS/cm	GE	EPA9050A
0	Gross alpha	6.55E-10±7.20E-10	U			1.38E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.13E-08±1.24E-09	U			1.28E-09	µCi/mL	GP	EPIA-001
2	Tritium	1.56E-03±7.29E-06				6.63E-07	µCi/mL	GP	EPIA-002
2	Tritium	1.56E-03±7.27E-06				6.64E-07	µCi/mL	GP	EPIA-002

## WELL HSB127C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/21/99  
 Depth to water: 16.35 ft (4.98 m) below TOC  
 Water elevation: 209.35 ft (63.81 m) msl  
 pH: 7.4  
 Sp. conductance: 250 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 88 gal

Time: 11:06  
 Water temperature: 20.5°C  
 Air temperature: 24.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 75 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
1	Nitrate-nitrite as nitrogen	9,750				250	µg/L	GE	EPA353.1
1	Nitrate-nitrite as nitrogen	8,950				500	µg/L	WA	EPA353.2
0	pH	7.80	J	Q		0.100	pH	GE	EPA9040B
1	pH	8.03	J	Q		0.100	pH	WA	EPA9040B
1	Specific conductance	272				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	223				8.90	µS/cm	WA	EPA9050A
0	Gross alpha	3.15E-10±3.78E-10	U			7.33E-10	µCi/mL	GP	EPIA-001
0	Gross alpha	1.80E-10±7.70E-10	JU	L	C	1.42E-09	µCi/mL	TM	EPA900.0M
0	Gross alpha	2.10E-10±8.90E-10	JU	L	C	1.62E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	5.00E-09±8.22E-10	U			1.21E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	5.78E-09±1.90E-09	J	IL	C	2.98E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.68E-08±2.08E-09	J	L	C	2.65E-09	µCi/mL	TM	EPA900.0M
2	Tritium	8.00E-04±1.57E-05				1.97E-06	µCi/mL	GP	EPIA-002
2	Tritium	8.19E-04±1.45E-05				2.87E-06	µCi/mL	TM	EPA906.0M
2	Tritium	8.60E-04±1.52E-05				3.00E-06	µCi/mL	TM	EPA906.0M

## WELL HSB127C Replicate

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/21/99  
 Depth to water: 16.35 ft (4.98 m) below TOC  
 Water elevation: 209.35 ft (63.81 m) msl  
 pH: 7.4  
 Sp. conductance: 250 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 88 gal

Time: 11:06  
 Water temperature: 20.5°C  
 Air temperature: 24.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 75 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
1	Nitrate-nitrite as nitrogen	9,540				300	µg/L	GE	EPA353.1
0	pH	7.91	J	Q		0.100	pH	GE	EPA9040B

Well HSB127C collected on 04/21/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Specific conductance	273				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	5.90E-10±4.26E-10	U			6.46E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	4.04E-09±7.64E-10				1.09E-09	µCi/mL	GP	EPIA-001
2	Tritium	8.20E-04±1.61E-05				2.01E-06	µCi/mL	GP	EPIA-002

**WELL HSB127D**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/21/99  
 Depth to water: 12.7 ft (3.87 m) below TOC  
 Water elevation: 213.4 ft (65.05 m) msl  
 pH: 4.3  
 Sp. conductance: 94 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 53 gal

Time: 10:44  
 Water temperature: 19.1°C  
 Air temperature: 22.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Mercury, total recoverable	1.09				0.200	µg/L	GE	EPA7470A
1	Nitrate-nitrite as nitrogen	8,600				250	µg/L	GE	EPA353.1
0	pH	4.93	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	97.0				1.00	µS/cm	GE	EPA9050A
1	Gross alpha	7.70E-09±1.21E-09				7.51E-10	µCi/mL	GP	EPIA-001
1	Nonvolatile beta	2.89E-08±1.55E-09				1.08E-09	µCi/mL	GP	EPIA-001
2	Tritium	2.17E-04±4.28E-06				9.86E-07	µCi/mL	GP	EPIA-002

**WELL HSB129C**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/26/99  
 Depth to water: 10.83 ft (3.3 m) below TOC  
 Water elevation: 204.27 ft (62.26 m) msl  
 pH: 6  
 Sp. conductance: 230 µS/cm  
 Turbidity: 3 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 13:10  
 Water temperature: 19.3°C  
 Air temperature: 25.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 27 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.0353	J	I		0.200	µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	18,800				1,250	µg/L	GE	EPA353.1
0	pH	6.41	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	220				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	2.08E-09±7.72E-10	J	I		6.88E-10	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	5.95E-08±2.49E-09	J	K	I	1.43E-09	µCi/mL	GP	EPIA-001
2	Tritium	1.96E-03±3.81E-05				3.76E-06	µCi/mL	GP	EPIA-002

**WELL HSB129D**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/22/99  
 Depth to water: 7.77 ft (2.37 m) below TOC  
 Water elevation: 206.93 ft (63.07 m) msl  
 pH: 4.8  
 Sp. conductance: 160 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 47 gal

Time: 9:13  
 Water temperature: 17.7°C  
 Air temperature: 18.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.0550	U	V		0.200	µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	16,000				500	µg/L	GE	EPA353.1
0	pH	4.88	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	147				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.08E-09±5.09E-10	J	I		6.19E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.52E-08±1.17E-09				1.11E-09	µCi/mL	GP	EPIA-001
2	Tritium	1.42E-03±2.75E-05				2.80E-06	µCi/mL	GP	EPIA-002

ESH-EMS-990521

**WELL HSB130C**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/22/99  
 Depth to water: 18.55 ft (5.65 m) below TOC  
 Water elevation: 199.75 ft (60.88 m) msl  
 pH: 7.6  
 Sp. conductance: 160 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 75 gal

Time: 9:22  
 Water temperature: 19.1°C  
 Air temperature: 17.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 69 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	250				50.0	µg/L	GE	EPA353.1
1	pH	8.05	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	169				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	2.11E-10±2.62E-10	U			4.97E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	4.53E-10±4.78E-10	U			9.95E-10	µCi/mL	GP	EPIA-001
0	Tritium	6.81E-07±3.73E-07	J	I		5.99E-07	µCi/mL	GP	EPIA-002

**WELL HSB130D**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/22/99  
 Depth to water: 18.68 ft (5.69 m) below TOC  
 Water elevation: 199.92 ft (60.94 m) msl  
 pH: 5.8  
 Sp. conductance: 49 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 33 gal

Time: 9:10  
 Water temperature: 18.9°C  
 Air temperature: 17°C  
 Total alkalinity (as CaCO<sub>3</sub>): 9 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	490				50.0	µg/L	GE	EPA353.1
0	pH	6.30	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	56.2				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.01E-10±2.45E-10	U			5.59E-10	µCi/mL	GP	EPIA-001
0	Gross alpha	3.52E-10±2.86E-10	U			4.59E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	7.14E-10±4.80E-10	U			9.53E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	3.98E-10±5.34E-10	U			1.13E-09	µCi/mL	GP	EPIA-001
0	Tritium	6.75E-06±5.91E-07				6.21E-07	µCi/mL	GP	EPIA-002

**WELL HSB131C**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: 8.02 ft (2.44 m) below TOC  
 Water elevation: 203.68 ft (62.08 m) msl  
 pH: 7.2  
 Sp. conductance: 210 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 104 gal

Time: 7:14  
 Water temperature: 18.8°C  
 Air temperature: 15.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 75 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nitrate-nitrite as nitrogen	3,510				150	µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	3,360				100	µg/L	WA	EPA353.2
0	Nitrate-nitrite as nitrogen	3,400				100	µg/L	WA	EPA353.2
0	pH	7.91	J	Q		0.100	pH	GE	EPA9040B
0	pH	7.91	J	Q		0.100	pH	WA	EPA9040B
0	Specific conductance	224				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	178				8.90	µS/cm	WA	EPA9050A
0	Gross alpha	6.88E-11±2.05E-10	U			6.44E-10	µCi/mL	GP	EPIA-001
0	Gross alpha	3.40E-10±6.00E-10	U			1.05E-09	µCi/mL	TM	EPA900.0M
0	Gross alpha	1.84E-09±6.18E-10	J	I		1.11E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	7.12E-09±1.35E-09				1.74E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	7.12E-09±1.35E-09				7.38E-07	µCi/mL	GP	EPIA-002
2	Tritium	1.21E-04±2.42E-06				4.80E-07	µCi/mL	TM	EPA906.0M
2	Tritium	1.21E-04±2.34E-06				4.80E-07	µCi/mL	TM	EPA906.0M

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## WELL HSB131C Replicate

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: 8.02 ft (2.44 m) below TOC  
 Water elevation: 203.68 ft (62.08 m) msl  
 pH: 7.2  
 Sp. conductance: 210 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 104 gal

Time: 7:14  
 Water temperature: 18.8°C  
 Air temperature: 15.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 75 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	3.330			150		µg/L	GE	EPA353.1
1	pH	8.00	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	224			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	3.52E-10±3.67E-10	U		6.20E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.43E-09±5.95E-10	J		1.08E-09		µCi/mL	GP	EPIA-001
2	Tritium	1.36E-04±2.14E-06		1	6.07E-07		µCi/mL	GP	EPIA-002

## WELL HSB131D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/22/99  
 Depth to water: 7.38 ft (2.25 m) below TOC  
 Water elevation: 204.72 ft (62.4 m) msl  
 pH: 4.8  
 Sp. conductance: 25 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 52 gal

Time: 10:20  
 Water temperature: 17.9°C  
 Air temperature: 20.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	360			50.0		µg/L	GE	EPA353.1
0	pH	5.13	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	23.4			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	1.19E-09±4.83E-10	J	1	5.44E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.03E-09±5.56E-10	U		1.08E-09		µCi/mL	GP	EPIA-001
0	Tritium	7.09E-06±5.61E-07			5.62E-07		µCi/mL	GP	EPIA-002

## WELL HSB132C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/20/99  
 Depth to water: 19.93 ft (6.07 m) below TOC  
 Water elevation: 220.57 ft (67.23 m) msl  
 pH: 5.2  
 Sp. conductance: 23 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 11:00  
 Water temperature: 19.4°C  
 Air temperature: 15.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	<50.0	U		50.0		µg/L	GE	EPA353.1
0	pH	5.41	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	23.1			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	5.38E-10±4.08E-10	U		6.57E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	8.01E-10±6.57E-10	U		1.35E-09		µCi/mL	GP	EPIA-001
0	Tritium	-1.92E-07±3.75E-07	U		6.70E-07		µCi/mL	GP	EPIA-002

## WELL HSB132D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/20/99  
 Depth to water: 20.74 ft (6.32 m) below TOC  
 Water elevation: 219.96 ft (67.04 m) msl  
 pH: 4.7  
 Sp. conductance: 21 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 23 gal

Time: 10:34  
 Water temperature: 19.5°C  
 Air temperature: 14.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	550			50.0		µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	580			50.0		µg/L	GE	EPA353.1
0	pH	5.16	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	19.3			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	3.78E-10±3.77E-10	U		6.82E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	5.13E-10±6.45E-10	U		1.39E-09		µCi/mL	GP	EPIA-001
1	Tritium	1.31E-05±7.75E-07			6.64E-07		µCi/mL	GP	EPIA-002

## WELL HSB133C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 25.48 ft (7.77 m) below TOC  
 Water elevation: 230.12 ft (70.14 m) msl  
 pH: 5.6  
 Sp. conductance: 32 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 106 gal

Time: 13:04  
 Water temperature: 19.7°C  
 Air temperature: 17.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 6 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	70.0			50.0		µg/L	GE	EPA353.1
0	pH	5.87	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	33.7	J		1.00		µS/cm	GE	EPA9050A
0	Gross alpha	3.27E-10±3.41E-10	U		6.26E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.17E-09±6.31E-10	U		1.22E-09		µCi/mL	GP	EPIA-001
0	Tritium	6.23E-08±3.83E-07	U		6.63E-07		µCi/mL	GP	EPIA-002

## WELL HSB133D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 19.9 ft (6.07 m) below TOC  
 Water elevation: 235.4 ft (71.75 m) msl  
 pH: 5.2  
 Sp. conductance: 74 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 97 gal

Time: 12:35  
 Water temperature: 19°C  
 Air temperature: 17.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 6 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	450			50.0		µg/L	GE	EPA353.1
0	pH	5.48	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	55.5	J		1.00		µS/cm	GE	EPA9050A
0	Gross alpha	7.01E-10±4.46E-10	J	1	6.32E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.51E-09±6.32E-10	J	1	1.14E-09		µCi/mL	GP	EPIA-001
1	Tritium	1.53E-05±8.30E-07			6.73E-07		µCi/mL	GP	EPIA-002

## WELL HSB134C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/15/99  
 Depth to water: 18.18 ft (5.54 m) below TOC  
 Water elevation: 220.22 ft (67.12 m) msl  
 pH: 6  
 Sp. conductance: 40 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 126 gal

Time: 10:58  
 Water temperature: 19°C  
 Air temperature: 19.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 8 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	1,170			50.0		µg/L	GE	EPA353.1
0	pH	5.79	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	46.0			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	5.62E-10±3.30E-10	J	I	4.10E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.04E-09±5.16E-10	J	IK	9.81E-10		µCi/mL	GP	EPIA-001
2	Tritium	2.00E-05±8.49E-07			5.65E-07		µCi/mL	GP	EPIA-002

## WELL HSB134D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/13/99  
 Depth to water: 18.47 ft (5.63 m) below TOC  
 Water elevation: 219.63 ft (66.94 m) msl  
 pH: 4.3  
 Sp. conductance: 140 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 33 gal

Time: 10:08  
 Water temperature: 18.3°C  
 Air temperature: 14.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.373			0.200		µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	13,000			500		µg/L	GE	EPA353.1
0	pH	4.26	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	143			1.00		µS/cm	GE	EPA9050A
1	Gross alpha	1.29E-08±1.56E-09			5.94E-10		µCi/mL	GP	EPIA-001
1	Gross alpha	1.30E-08±1.51E-09			5.71E-10		µCi/mL	GP	EPIA-001
2	Nonvolatile beta	9.88E-07±8.90E-09			1.03E-09		µCi/mL	GP	EPIA-001
2	Nonvolatile beta	9.86E-07±8.89E-09			9.68E-10		µCi/mL	GP	EPIA-001
2	Tritium	5.70E-04±4.38E-06			6.31E-07		µCi/mL	GP	EPIA-002

## WELL HSB135C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/20/99  
 Depth to water: 25.78 ft (7.86 m) below TOC  
 Water elevation: 206.22 ft (62.86 m) msl  
 pH: 7.6  
 Sp. conductance: 200 µS/cm  
 Turbidity: 5 NTU  
 Water evacuated from the well prior to sampling: 120 gal

Time: 8:34  
 Water temperature: 19.3°C  
 Air temperature: 11.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 86 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	470			50.0		µg/L	GE	EPA353.1
0	pH	7.88	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	207			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	3.45E-11±4.12E-10	U		1.07E-09		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	8.23E-10±7.26E-10	U		1.52E-09		µCi/mL	GP	EPIA-001
2	Tritium	2.06E-05±9.30E-07			6.67E-07		µCi/mL	GP	EPIA-002

## WELL HSB135D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/20/99  
 Depth to water: 16.31 ft (4.97 m) below TOC  
 Water elevation: 215.99 ft (65.83 m) msl  
 pH: 4.8  
 Sp. conductance: 35 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 62 gal

Time: 8:12  
 Water temperature: 18.5°C  
 Air temperature: 11.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	2,280			50.0		µg/L	GE	EPA353.1
0	pH	5.10	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	37.3			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	5.09E-10±4.65E-10	U		8.51E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.08E-08±1.24E-09			1.36E-09		µCi/mL	GP	EPIA-001
2	Tritium	2.11E-05±9.39E-07			6.67E-07		µCi/mL	GP	EPIA-002

## WELL HSB136C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/26/99  
 Depth to water: 16.25 ft (4.95 m) below TOC  
 Water elevation: 211.65 ft (64.51 m) msl  
 pH: 9.9  
 Sp. conductance: 360 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 14:00  
 Water temperature: 20.4°C  
 Air temperature: 25.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 44 mg/L  
 Phenolphthalein alkalinity: 30 mg/L  
 Field Qualifier(s): SXH

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	29,800			1,250		µg/L	GE	EPA353.1
0	pH	7.30	J	Q	0.100		pH	GE	EPA9040B
0	pH	7.32	J	Q	0.100		pH	GE	EPA9040B
1	Specific conductance	326			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	1.55E-09±5.13E-10	J	I	5.47E-10		µCi/mL	GP	EPIA-001
0	Gross alpha	1.10E-09±4.64E-10	J	I	6.05E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	9.01E-10±4.11E-10	J	IK	7.39E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	5.39E-10±4.22E-10	U		8.01E-10		µCi/mL	GP	EPIA-001
2	Tritium	4.35E-03±8.23E-05			5.43E-06		µCi/mL	GP	EPIA-002
2	Tritium	4.44E-03±8.61E-05			5.64E-06		µCi/mL	GP	EPIA-002

## WELL HSB136D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/21/99  
 Depth to water: 10.75 ft (3.28 m) below TOC  
 Water elevation: 217.25 ft (66.22 m) msl  
 pH: 8.6  
 Sp. conductance: 190 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 27 gal

Time: 9:53  
 Water temperature: 18.8°C  
 Air temperature: 19.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.153	J	I	0.200		µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	20,500			1,250		µg/L	GE	EPA353.1
0	pH	4.13	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	217			1.00		µS/cm	GE	EPA9050A
0	Specific conductance	216			1.00		µS/cm	GE	EPA9050A
2	Gross alpha	4.64E-08±3.52E-09			8.10E-10		µCi/mL	GP	EPIA-001
2	Nonvolatile beta	1.04E-06±1.03E-08	J	K	1.31E-09		µCi/mL	GP	EPIA-001
2	Tritium	2.03E-03±3.93E-05			3.80E-06		µCi/mL	GP	EPIA-002

## WELL HSB137C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/26/99  
 Depth to water: 21.73 ft (6.62 m) below TOC  
 Water elevation: 214.27 ft (65.31 m) msl  
 pH: 5.8  
 Sp. conductance: 380 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 13:40  
 Water temperature: 19.5°C  
 Air temperature: 28.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 11 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.0424	J	I		0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	43,300				1,250	µg/L	GE	EPA353.1
0	pH	6.50	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	414				1.00	µS/cm	GE	EPA9050A
1	Gross alpha	2.99E-10±5.10E-10	U			1.11E-09	µCi/mL	GP	EPIA-001
2	Nonvolatiles beta	6.48E-08±2.64E-09	J	K	I	1.37E-09	µCi/mL	GP	EPIA-001
2	Tritium	8.50E-03±1.59E-04				8.62E-06	µCi/mL	GP	EPIA-002

## WELL HSB137D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/26/99  
 Depth to water: 18.5 ft (5.64 m) below TOC  
 Water elevation: 218.1 ft (66.48 m) msl  
 pH: 5  
 Sp. conductance: 140 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 33 gal

Time: 13:31  
 Water temperature: 18°C  
 Air temperature: 28.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	14,700				250	µg/L	GE	EPA353.1
0	pH	5.31	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	153				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	3.32E-09±9.42E-10				7.65E-10	µCi/mL	GP	EPIA-001
2	Nonvolatiles beta	5.37E-08±2.35E-09	J	K	I	1.23E-09	µCi/mL	GP	EPIA-001
2	Tritium	2.28E-03±4.39E-05				3.79E-06	µCi/mL	GP	EPIA-002

## WELL HSB138D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: 31.4 ft (9.57 m) below TOC  
 Water elevation: 221 ft (67.36 m) msl  
 pH: 5  
 Sp. conductance: 19 µS/cm  
 Turbidity: 6 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 8:15  
 Water temperature: 18.6°C  
 Air temperature: 16.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	290				50.0	µg/L	GE	EPA353.1
0	pH	5.82	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	21.3				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	8.97E-10±3.98E-10	J	I		4.12E-10	µCi/mL	GP	EPIA-001
0	Nonvolatiles beta	1.32E-09±5.35E-10	J	I		9.81E-10	µCi/mL	GP	EPIA-001
1	Tritium	1.89E-05±8.71E-07				6.26E-07	µCi/mL	GP	EPIA-002

## WELL HSB139A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/20/99  
 Depth to water: 59.55 ft (18.15 m) below TOC  
 Water elevation: 174.15 ft (53.08 m) msl  
 pH: 7.4  
 Sp. conductance: 210 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 161 gal

Time: 9:55  
 Water temperature: 19.3°C  
 Air temperature: 13.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 95 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	40.0	J	I		50.0	µg/L	GE	EPA353.1
0	pH	7.57	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	231				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	3.45E-10±5.96E-10	U			1.29E-09	µCi/mL	GP	EPIA-001
0	Nonvolatiles beta	8.27E-10±6.29E-10	U			1.27E-09	µCi/mL	GP	EPIA-001
0	Tritium	-1.55E-07±3.73E-07	U			6.64E-07	µCi/mL	GP	EPIA-002

## WELL HSB139C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/26/99  
 Depth to water: 20.93 ft (6.38 m) below TOC  
 Water elevation: 212.87 ft (64.88 m) msl  
 pH: 5.3  
 Sp. conductance: 320 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 14:40  
 Water temperature: 19°C  
 Air temperature: 27.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.941				0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	38,000				1,250	µg/L	GE	EPA353.1
2	Nitrate-nitrite as nitrogen	37,000				1,250	µg/L	GE	EPA353.1
0	pH	5.55	J	Q		0.100	pH	GE	EPA9040B
1	Specific conductance	347				1.00	µS/cm	GE	EPA9050A
1	Specific conductance	346				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	2.60E-09±9.48E-10	J	I		9.05E-10	µCi/mL	GP	EPIA-001
0	Nonvolatiles beta	2.26E-08±1.61E-09	J	K	I	1.33E-09	µCi/mL	GP	EPIA-001
2	Tritium	2.35E-03±4.58E-05				3.93E-06	µCi/mL	GP	EPIA-002

## WELL HSB139D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/20/99  
 Depth to water: 14.55 ft (4.43 m) below TOC  
 Water elevation: 219.25 ft (66.83 m) msl  
 pH: 4.7  
 Sp. conductance: 54 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 43 gal

Time: 9:28  
 Water temperature: 18°C  
 Air temperature: 13.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Mercury, total recoverable	1.33				0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	3,180				150	µg/L	GE	EPA353.1
0	pH	5.04	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	56.9				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.49E-09±6.12E-10	J	I		6.43E-10	µCi/mL	GP	EPIA-001
1	Nonvolatiles beta	3.96E-08±2.12E-09				1.22E-09	µCi/mL	GP	EPIA-001
2	Tritium	6.18E-04±1.21E-05				1.83E-06	µCi/mL	GP	EPIA-002

## WELL HSB140A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: 60.03 ft (18.3 m) below TOC  
 Water elevation: 175.87 ft (53.61 m) msl  
 pH: 6.5  
 Sp. conductance: 140 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 145 gal

Time: 9:35  
 Water temperature: 19.6°C  
 Air temperature: 21.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 49 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nitrate-nitrite as nitrogen	<20.0	U		6	50.0	µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	<43.0	U		6	20.0	µg/L	WA	EPA353.2
0	pH	6.96	J	Q		0.100	pH	GE	EPA9040B
0	pH	7.05	J	Q		0.100	pH	WA	EPA9040B
0	pH	7.11	J	Q		0.100	pH	WA	EPA9040B
0	Specific conductance	153				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	119				8.90	µS/cm	WA	EPA9050A
0	Specific conductance	120				8.90	µS/cm	WA	EPA9050A
0	Gross alpha	3.29E-10±2.67E-10	U			4.29E-10	µCi/mL	GP	EPIA-001
0	Gross alpha	7.00E-10±7.30E-10	U			1.16E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	7.31E-10±5.54E-10	U			1.13E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.32E-09±1.13E-09	J	I		1.77E-09	µCi/mL	TM	EPA900.0M
0	Tritium	1.28E-07±3.60E-07	U			6.19E-07	µCi/mL	GP	EPIA-002
0	Tritium	1.00E-08±2.70E-07	U			4.90E-07	µCi/mL	TM	EPA906.0M

## WELL HSB140A Replicate

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: 60.03 ft (18.3 m) below TOC  
 Water elevation: 175.87 ft (53.61 m) msl  
 pH: 6.5  
 Sp. conductance: 140 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 145 gal

Time: 9:35  
 Water temperature: 19.6°C  
 Air temperature: 21.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 49 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	<20.0	U		6	50.0	µg/L	GE	EPA353.1
0	pH	7.08	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	154				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	3.45E-10±5.08E-10	U			1.05E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	5.82E-10±5.73E-10	U			1.18E-09	µCi/mL	GP	EPIA-001
0	Tritium	-8.88E-08±3.50E-07	U			6.19E-07	µCi/mL	GP	EPIA-002

## WELL HSB140C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/20/99  
 Depth to water: 30.06 ft (9.16 m) below TOC  
 Water elevation: 205.54 ft (62.65 m) msl  
 pH: 5.3  
 Sp. conductance: 23 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 82 gal

Time: 12:24  
 Water temperature: 20.2°C  
 Air temperature: 22.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 4 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	520				50.0	µg/L	GE	EPA353.1
0	pH	5.72	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	24.0				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	6.97E-10±4.43E-10	J	I		6.28E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	9.28E-10±5.81E-10	U			1.14E-09	µCi/mL	GP	EPIA-001
0	Tritium	3.24E-06±5.04E-07				6.59E-07	µCi/mL	GP	EPIA-002

## WELL HSB140D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/20/99  
 Depth to water: 23.03 ft (7.02 m) below TOC  
 Water elevation: 213.17 ft (64.98 m) msl  
 pH: 4.6  
 Sp. conductance: 19 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 61 gal

Time: 12:12  
 Water temperature: 20.6°C  
 Air temperature: 21.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	410				50.0	µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	410				50.0	µg/L	GE	EPA353.1
0	pH	4.98	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	18.2				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	6.22E-10±4.11E-10	J	I		5.71E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.92E-09±6.94E-10	J	I		1.23E-09	µCi/mL	GP	EPIA-001
1	Tritium	1.06E-05±7.11E-07				6.57E-07	µCi/mL	GP	EPIA-002

## WELL HSB141A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/15/99  
 Depth to water: 79.27 ft (24.16 m) below TOC  
 Water elevation: 175.33 ft (53.44 m) msl  
 pH: 11  
 Sp. conductance: 1,200 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 11:00  
 Water temperature: 20°C  
 Air temperature: 19.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 239 mg/L  
 Phenolphthalein alkalinity: 231 mg/L  
 Field Qualifier(s): SXH

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	70.0				50.0	µg/L	GE	EPA353.1
2	pH	11.9	J	Q		0.100	pH	GE	EPA9040B
2	Specific conductance	1,190				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	7.13E-10±5.41E-10	U			8.92E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.87E-09±6.49E-10	J	IK	C	1.18E-09	µCi/mL	GP	EPIA-001
0	Tritium	1.58E-06±3.82E-07				5.48E-07	µCi/mL	GP	EPIA-002

## WELL HSB141CR

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/15/99  
 Depth to water: 26.7 ft (8.14 m) below TOC  
 Water elevation: 227.6 ft (69.37 m) msl  
 pH: 5.3  
 Sp. conductance: 23 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 125 gal

Time: 10:51  
 Water temperature: 20°C  
 Air temperature: 19.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.0413	U	V		0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	140				50.0	µg/L	GE	EPA353.1
0	pH	5.72	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	23.5				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	6.33E-10±3.38E-10	J	I		3.62E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.87E-09±6.09E-10	J	IK	C	1.09E-09	µCi/mL	GP	EPIA-001
0	Tritium	8.86E-07±3.98E-07	J	I		6.28E-07	µCi/mL	GP	EPIA-002
0	Tritium	8.51E-07±4.00E-07	J	I		6.33E-07	µCi/mL	GP	EPIA-002

## WELL HSB141D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/15/99  
 Depth to water: 16.9 ft (5.15 m) below TOC  
 Water elevation: 237.9 ft (72.51 m) msl  
 pH: 7  
 Sp. conductance: 21 µS/cm  
 Turbidity: 15 NTU  
 Water evacuated from the well prior to sampling: 8 gal  
 The well went dry during purging.

Time: 12:45  
 Water temperature: 29.4°C  
 Air temperature: 21.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	140			50.0		µg/L	GE	EPA353.1
0	pH	5.36	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	19.7			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	1.82E-09±6.21E-10	J	I	6.70E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.69E-09±6.12E-10	J	IK	1.11E-09		µCi/mL	GP	EPIA-001
1	Tritium	1.45E-05±7.83E-07			6.29E-07		µCi/mL	GP	EPIA-002

## WELL HSB142C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/15/99  
 Depth to water: 7.98 ft (2.43 m) below TOC  
 Water elevation: 196.02 ft (59.75 m) msl  
 pH: 6.2  
 Sp. conductance: 22 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 53 gal

Time: 11:48  
 Water temperature: 18°C  
 Air temperature: 21.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.0487	U	V	0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	290			50.0		µg/L	GE	EPA353.1
0	pH	5.39	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	23.6			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	3.72E-10±2.74E-10	J	I	3.61E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.53E-09±5.52E-10	J	IK	9.82E-10		µCi/mL	GP	EPIA-001
1	Tritium	1.27E-05±7.47E-07			6.33E-07		µCi/mL	GP	EPIA-002

## WELL HSB142D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/15/99  
 Depth to water: 7.28 ft (2.22 m) below TOC  
 Water elevation: 196.92 ft (60.02 m) msl  
 pH: 5.7  
 Sp. conductance: 40 µS/cm  
 Turbidity: 9 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 12:05  
 Water temperature: 16.5°C  
 Air temperature: 21.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	460			50.0		µg/L	GE	EPA353.1
0	pH	5.04	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	43.3			1.00		µS/cm	GE	EPA9050A
0	Specific conductance	43.3			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	6.66E-10±3.78E-10	J	I	4.99E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	3.00E-09±7.17E-10	J	K	1.20E-09		µCi/mL	GP	EPIA-001
2	Tritium	4.13E-04±3.72E-06			6.26E-07		µCi/mL	GP	EPIA-002

## WELL HSB143C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/20/99  
 Depth to water: 14 ft (4.27 m) below TOC  
 Water elevation: 208.2 ft (63.46 m) msl  
 pH: 5  
 Sp. conductance: 49 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 79 gal

Time: 14:17  
 Water temperature: 19.9°C  
 Air temperature: 24.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	490			50.0		µg/L	GE	EPA353.1
0	pH	5.26	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	52.6			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	3.60E-10±3.71E-10	U		6.82E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	8.72E-10±6.35E-10	U		1.30E-09		µCi/mL	GP	EPIA-001
0	Tritium	7.09E-06±6.25E-07			6.63E-07		µCi/mL	GP	EPIA-002

## WELL HSB143D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/20/99  
 Depth to water: 11.08 ft (3.38 m) below TOC  
 Water elevation: 211.82 ft (64.56 m) msl  
 pH: 4.4  
 Sp. conductance: 21 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 43 gal

Time: 14:08  
 Water temperature: 19.4°C  
 Air temperature: 24.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	390			50.0		µg/L	GE	EPA353.1
0	pH	4.80	J	Q	0.100		pH	GE	EPA9040B
0	pH	4.80	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	19.4			1.00		µS/cm	GE	EPA9050A
0	Specific conductance	19.3			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	1.97E-09±6.63E-10			6.20E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.44E-09±8.45E-10	J	I	1.22E-09		µCi/mL	GP	EPIA-001
0	Tritium	8.32E-06±6.57E-07			6.61E-07		µCi/mL	GP	EPIA-002

## WELL HSB144A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/22/99  
 Depth to water: 64.64 ft (19.7 m) below TOC  
 Water elevation: 170.96 ft (52.11 m) msl  
 pH: 6.4  
 Sp. conductance: 140 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 156 gal

Time: 11:11  
 Water temperature: 20.7°C  
 Air temperature: 24.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 48 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	200			50.0		µg/L	GE	EPA353.1
0	pH	6.80	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	148			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	7.48E-10±4.59E-10	J	I	6.52E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.78E-09±6.29E-10	J	I	1.14E-09		µCi/mL	GP	EPIA-001
2	Tritium	2.84E-05±1.02E-06			6.04E-07		µCi/mL	GP	EPIA-002

## WELL HSB145C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/21/99  
 Depth to water: 23.15 ft (7.06 m) below TOC  
 Water elevation: 212.55 ft (64.79 m) msl  
 pH: 5.6  
 Sp. conductance: 320 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 81 gal

Time: 12:40  
 Water temperature: 20°C  
 Air temperature: 28.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 15 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Mercury, total recoverable	0.800				0.200	µg/L	GE	EPA7470A
2 Nitrate-nitrite as nitrogen	34,000				1,250	µg/L	GE	EPA353.1
0 pH	5.98	J	Q		0.100	pH	GE	EPA9040B
1 Specific conductance	348				1.00	µS/cm	GE	EPA9050A
0 Gross alpha	1.62E-09±6.73E-10	J	I		7.52E-10	µCi/mL	GP	EPIA-001
1 Nonvolatile beta	3.41E-08±1.68E-09				1.13E-09	µCi/mL	GP	EPIA-001
2 Tritium	1.45E-03±2.83E-05				2.77E-06	µCi/mL	GP	EPIA-002

## WELL HSB145D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/13/99  
 Depth to water: 19.28 ft (5.88 m) below TOC  
 Water elevation: 216.92 ft (66.12 m) msl  
 pH: 5  
 Sp. conductance: 220 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 49 gal

Time: 9:33  
 Water temperature: 19.5°C  
 Air temperature: 12.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1 Mercury, total recoverable	1.92				0.200	µg/L	GE	EPA7470A
2 Nitrate-nitrite as nitrogen	24,800				1,250	µg/L	GE	EPA353.1
0 pH	5.18	J	Q		0.100	pH	GE	EPA9040B
0 Specific conductance	231				1.00	µS/cm	GE	EPA9050A
2 Gross alpha	4.22E-08±3.41E-09				8.83E-10	µCi/mL	GP	EPIA-001
2 Nonvolatile beta	4.85E-07±6.66E-09				1.19E-09	µCi/mL	GP	EPIA-001
2 Tritium	1.58E-03±7.32E-06				6.36E-07	µCi/mL	GP	EPIA-002

## WELL HSB146A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 75.33 ft (22.96 m) below TOC  
 Water elevation: 176.27 ft (53.73 m) msl  
 pH: 6.7  
 Sp. conductance: 175 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 151 gal

Time: 12:59  
 Water temperature: 19.4°C  
 Air temperature: 21.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 78 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0 Nitrate-nitrite as nitrogen	10.0	J	I		50.0	µg/L	GE	EPA353.1
0 pH	7.23	J	Q		0.100	pH	GE	EPA9040B
0 Specific conductance	193	J			1.00	µS/cm	GE	EPA9050A
0 Gross alpha	8.19E-10±5.41E-10	J	I		7.52E-10	µCi/mL	GP	EPIA-001
0 Nonvolatile beta	1.36E-09±6.61E-10	J	I		1.25E-09	µCi/mL	GP	EPIA-001
0 Tritium	-2.19E-07±3.74E-07	U			6.70E-07	µCi/mL	GP	EPIA-002

## WELL HSB146C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 42.94 ft (13.09 m) below TOC  
 Water elevation: 209.36 ft (63.81 m) msl  
 pH: 8.7  
 Sp. conductance: 59 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 86 gal

Time: 13:27  
 Water temperature: 19.8°C  
 Air temperature: 21.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 22 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SH

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0 Nitrate-nitrite as nitrogen	550				50.0	µg/L	GE	EPA353.1
1 pH	8.97	J	Q	X	0.100	pH	GE	EPA9040B
0 Specific conductance	67.5	J		X	1.00	µS/cm	GE	EPA9050A
0 Gross alpha	5.31E-10±4.12E-10	U			6.45E-10	µCi/mL	GP	EPIA-001
0 Nonvolatile beta	3.19E-10±6.43E-10	U			1.42E-09	µCi/mL	GP	EPIA-001
0 Tritium	9.76E-06±6.95E-07				6.63E-07	µCi/mL	GP	EPIA-002

## WELL HSB146D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 31.94 ft (9.74 m) below TOC  
 Water elevation: 221.16 ft (67.41 m) msl  
 pH: 5.4  
 Sp. conductance: 18 µS/cm  
 Turbidity: 3 NTU  
 Water evacuated from the well prior to sampling: 28 gal

Time: 12:42  
 Water temperature: 20.1°C  
 Air temperature: 21.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0 Nitrate-nitrite as nitrogen	480				50.0	µg/L	GE	EPA353.1
0 pH	5.13	J	Q	X	0.100	pH	GE	EPA9040B
0 Specific conductance	16.8	J		X	1.00	µS/cm	GE	EPA9050A
0 Gross alpha	-1.19E-10±3.11E-10	U			9.09E-10	µCi/mL	GP	EPIA-001
0 Nonvolatile beta	8.39E-10±6.51E-10	U			1.35E-09	µCi/mL	GP	EPIA-001
1 Tritium	1.19E-05±7.44E-07				6.59E-07	µCi/mL	GP	EPIA-002

## WELL HSB147D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/22/99  
 Depth to water: 39.85 ft (12.15 m) below TOC  
 Water elevation: 227.45 ft (69.33 m) msl  
 pH: 4.8  
 Sp. conductance: 26 µS/cm  
 Turbidity: 14 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 10:10  
 Water temperature: 17.8°C  
 Air temperature: 21.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0 Nitrate-nitrite as nitrogen	320				50.0	µg/L	GE	EPA353.1
0 pH	5.47	J	Q		0.100	pH	GE	EPA9040B
0 Specific conductance	28.4	J			1.00	µS/cm	GE	EPA9050A
0 Gross alpha	9.37E-10±4.46E-10	J	I		5.54E-10	µCi/mL	GP	EPIA-001
0 Nonvolatile beta	1.45E-09±6.25E-10	J	I		1.18E-09	µCi/mL	GP	EPIA-001
0 Tritium	8.80E-06±6.54E-07				6.34E-07	µCi/mL	GP	EPIA-002

## WELL HSB148C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/21/99  
 Depth to water: 49.6 ft (15.12 m) below TOC  
 Water elevation: 201.3 ft (61.36 m) msl  
 pH: 9  
 Sp. conductance: 66 µS/cm  
 Turbidity: 5 NTU  
 Water evacuated from the well prior to sampling: 1 gal

Time: 12:45  
 Water temperature: 19.3°C  
 Air temperature: 29.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 17 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SXH

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	500			50.0		µg/L	GE	EPA353.1
1	pH	9.46	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	69.9			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	8.58E-10±4.13E-10	J	I	4.56E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.63E-09±6.20E-10	J	I	9.88E-10		µCi/mL	GP	EPIA-001
0	Tritium	1.18E-06±3.82E-07	J	I	5.80E-07		µCi/mL	GP	EPIA-002

## WELL HSB148D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/21/99  
 Depth to water: 38.62 ft (11.77 m) below TOC  
 Water elevation: 212.48 ft (64.76 m) msl  
 pH: 6.1  
 Sp. conductance: 110 µS/cm  
 Turbidity: 10 NTU  
 Water evacuated from the well prior to sampling: 1 gal

Time: 12:40  
 Water temperature: 19.2°C  
 Air temperature: 29°C  
 Total alkalinity (as CaCO<sub>3</sub>): 39 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	<50.0	U		50.0		µg/L	GE	EPA353.1
0	pH	7.03	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	113			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	2.00E-09±6.22E-10	J	I	5.17E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.65E-09±6.19E-10	J	I	1.14E-09		µCi/mL	GP	EPIA-001
0	Tritium	8.84E-06±6.14E-07	J	I	5.77E-07		µCi/mL	GP	EPIA-002

## WELL HSB149D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/21/99  
 Depth to water: 20.04 ft (6.11 m) below TOC  
 Water elevation: 219.96 ft (67.04 m) msl  
 pH: 5.4  
 Sp. conductance: 19 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 24 gal

Time: 11:05  
 Water temperature: 20.3°C  
 Air temperature: 22.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	220			50.0		µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	220			50.0		µg/L	GE	EPA353.1
0	pH	4.97	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	18.3			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	7.66E-10±3.95E-10	J	I	5.37E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.18E-09±5.13E-10	J	I	9.50E-10		µCi/mL	GP	EPIA-001
1	Tritium	1.61E-05±7.73E-07	J	I	5.78E-07		µCi/mL	GP	EPIA-002

## WELL HSB150D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/21/99  
 Depth to water: 13.48 ft (4.11 m) below TOC  
 Water elevation: 225.52 ft (68.74 m) msl  
 pH: 5.8  
 Sp. conductance: 32 µS/cm  
 Turbidity: 6 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 13:55  
 Water temperature: 19.4°C  
 Air temperature: 32°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	30.0	J	I	50.0		µg/L	GE	EPA353.1
0	pH	5.22	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	29.3			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	1.35E-09±5.91E-10	J	I	9.04E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	8.00E-10±5.64E-10	J	I	1.12E-09		µCi/mL	GP	EPIA-001
1	Tritium	1.59E-05±7.64E-07	J	I	5.72E-07		µCi/mL	GP	EPIA-002

## WELL HSB151C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/21/99  
 Depth to water: 7.27 ft (2.22 m) below TOC  
 Water elevation: 206.33 ft (62.89 m) msl  
 pH: 5.1  
 Sp. conductance: 76 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 60 gal

Time: 11:50  
 Water temperature: 18.6°C  
 Air temperature: 27.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.125	J	I	0.200		µg/L	GE	EPA7470A
1	Nitrate-nitrite as nitrogen	8.010	J	I	150		µg/L	GE	EPA353.1
0	pH	4.95	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	81.9			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	3.99E-10±4.16E-10	U		8.09E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	6.44E-10±6.02E-10	U		1.25E-09		µCi/mL	GP	EPIA-001
2	Tritium	9.02E-04±1.76E-05	J	I	2.11E-06		µCi/mL	GP	EPIA-002

## WELL HSB151D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/21/99  
 Depth to water: 8.16 ft (2.49 m) below TOC  
 Water elevation: 205.44 ft (62.62 m) msl  
 pH: 5.5  
 Sp. conductance: 28 µS/cm  
 Turbidity: 10 NTU  
 Water evacuated from the well prior to sampling: 26 gal

Time: 11:40  
 Water temperature: 17.1°C  
 Air temperature: 27.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	1.790			50.0		µg/L	GE	EPA353.1
0	pH	5.17	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	29.5			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	1.44E-09±4.93E-10	J	I	3.77E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	6.99E-09±8.94E-10	J	I	9.96E-10		µCi/mL	GP	EPIA-001
2	Tritium	3.83E-05±1.13E-06	J	I	5.78E-07		µCi/mL	GP	EPIA-002

## WELL HSB152C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: 15.75 ft (4.8 m) below TOC  
 Water elevation: 198.35 ft (60.46 m) msl  
 pH: 4.8  
 Sp. conductance: 120 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 44 gal

Time: 10:27  
 Water temperature: 17.7°C  
 Air temperature: 22.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.183	J	I		0.200	µg/L	GE	EPA7470A
2	Nitrate-nitrite as nitrogen	13,300				250	µg/L	GE	EPA353.1
0	pH	4.85	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	125				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	5.13E-10±3.75E-10	U			6.10E-10	µCi/mL	GP	EPIA-001
1	Nonvolatile beta	3.16E-08±1.58E-09				9.59E-10	µCi/mL	GP	EPIA-001
2	Tritium	1.13E-03±2.19E-05				2.48E-06	µCi/mL	GP	EPIA-002

## WELL HSB152D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 5.2  
 Sp. conductance: 41 µS/cm  
 Turbidity: 154 NTU  
 Water evacuated from the well prior to sampling: 2 gal  
 The well went dry during purging.

Time: 11:15  
 Water temperature: 18.9°C  
 Air temperature: 24°C  
 Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SXN

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	2,240				50.0	µg/L	GE	EPA353.1
0	pH	5.28	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	42.4				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	3.54E-09±9.14E-10				7.24E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	7.77E-09±9.14E-10				1.10E-09	µCi/mL	GP	EPIA-001
2	Tritium	1.69E-04±3.35E-06				8.84E-07	µCi/mL	GP	EPIA-002

## WELL HSL 1D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: 28.61 ft (8.72 m) below TOC  
 Water elevation: 235.39 ft (71.75 m) msl  
 pH: 4.4  
 Sp. conductance: 57 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 7 gal

Time: 7:48  
 Water temperature: 20.6°C  
 Air temperature: 15.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	3,630				150	µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	3,660				150	µg/L	GE	EPA353.1
0	pH	4.60	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	58.9				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	4.98E-09±9.27E-10				5.23E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.46E-08±1.17E-09				1.13E-09	µCi/mL	GP	EPIA-001
2	Tritium	1.36E-04±2.70E-06				7.54E-07	µCi/mL	GP	EPIA-002

## WELL HSL 2D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: 24.78 ft (7.55 m) below TOC  
 Water elevation: 240.72 ft (73.37 m) msl  
 pH: 5  
 Sp. conductance: 42 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 20 gal

Time: 8:19  
 Water temperature: 20.5°C  
 Air temperature: 18°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	820				50.0	µg/L	GE	EPA353.1
0	pH	5.20	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	44.7				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	44.6				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	8.40E-10±4.18E-10	J	I		5.29E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.34E-09±5.80E-10	J	I		1.09E-09	µCi/mL	GP	EPIA-001
2	Tritium	2.08E-05±8.51E-07				5.62E-07	µCi/mL	GP	EPIA-002
2	Tritium	2.11E-05±9.13E-07				6.28E-07	µCi/mL	GP	EPIA-002

## WELL HSL 3D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: 19.61 ft (5.98 m) below TOC  
 Water elevation: 247.99 ft (75.59 m) msl  
 pH: 4.5  
 Sp. conductance: 33 µS/cm  
 Turbidity: 13 NTU  
 Water evacuated from the well prior to sampling: 9 gal

Time: 8:41  
 Water temperature: 22.1°C  
 Air temperature: 19°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	1,210				50.0	µg/L	GE	EPA353.1
0	pH	4.70	J	Q		0.100	pH	GE	EPA9040B
0	pH	4.71	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	31.1				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.62E-09±5.27E-10				4.23E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.15E-09±5.90E-10	J	I		9.83E-10	µCi/mL	GP	EPIA-001
2	Tritium	6.99E-05±1.69E-06				7.15E-07	µCi/mL	GP	EPIA-002

## WELL HSL 4D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: 14.29 ft (4.36 m) below TOC  
 Water elevation: 258.91 ft (78.92 m) msl  
 pH: 4.9  
 Sp. conductance: 62 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 11 gal

Time: 8:52  
 Water temperature: 17.7°C  
 Air temperature: 14.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 9 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	580				50.0	µg/L	GE	EPA353.1
0	pH	5.64	J	Q		0.100	pH	GE	EPA9040B
0	pH	5.64	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	66.9				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	66.7				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.07E-09±4.49E-10	J	I		4.72E-10	µCi/mL	GP	EPIA-001
2	Nonvolatile beta	6.24E-08±2.18E-09				1.13E-09	µCi/mL	GP	EPIA-001
2	Tritium	2.12E-05±1.01E-06				7.32E-07	µCi/mL	GP	EPIA-002

**WELL HSL 5D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: 16.4 ft (5 m) below TOC  
 Water elevation: 260.2 ft (79.31 m) msl  
 pH: 4.4  
 Sp. conductance: 27 µS/cm  
 Turbidity: 8 NTU  
 Water evacuated from the well prior to sampling: 9 gal

Time: 10:00  
 Water temperature: 23.4°C  
 Air temperature: 22.5°C  
 Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	810			50.0		µg/L	GE	EPA353.1
0	pH	5.34	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	26.0			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	3.34E-09±8.18E-10			6.48E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.59E-08±1.17E-09			9.64E-10		µCi/mL	GP	EPIA-001
0	Tritium	6.76E-06±6.59E-07			7.21E-07		µCi/mL	GP	EPIA-002

**WELL HSL 6D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: 23.07 ft (7.03 m) below TOC  
 Water elevation: 256.93 ft (78.31 m) msl  
 pH: 4  
 Sp. conductance: 63 µS/cm  
 Turbidity: 5 NTU  
 Water evacuated from the well prior to sampling: 8 gal

Time: 10:46  
 Water temperature: 20.9°C  
 Air temperature: 24.8°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U		0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	1,760			50.0		µg/L	GE	EPA353.1
0	pH	4.38	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	69.0			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	3.29E-09±7.76E-10			5.60E-10		µCi/mL	GP	EPIA-001
1	Nonvolatile beta	4.21E-08±1.86E-09			1.18E-09		µCi/mL	GP	EPIA-001
2	Tritium	3.52E-05±1.24E-06			7.21E-07		µCi/mL	GP	EPIA-002

**WELL HSL 7D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: 26.65 ft (8.12 m) below TOC  
 Water elevation: 257.15 ft (78.38 m) msl  
 pH: 3.9  
 Sp. conductance: 63 µS/cm  
 Turbidity: 11 NTU  
 Water evacuated from the well prior to sampling: 3 gal  
 The well went dry during purging.

Time: 11:55  
 Water temperature: 22.4°C  
 Air temperature: 27°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.0547	J	I	0.200		µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	2,130			150		µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	2,100			150		µg/L	GE	EPA353.1
0	pH	4.69	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	44.6			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	2.17E-09±6.66E-10			7.11E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.12E-09±6.24E-10	J	I	1.07E-09		µCi/mL	GP	EPIA-001
2	Tritium	3.24E-05±1.21E-06			7.32E-07		µCi/mL	GP	EPIA-002

**WELL HSL 8D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: 30.24 ft (9.22 m) below TOC  
 Water elevation: 258.46 ft (78.78 m) msl  
 pH: 4.4  
 Sp. conductance: 59 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 5 gal

Time: 11:28  
 Water temperature: 24.9°C  
 Air temperature: 26.2°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	0.165	J	I	0.200		µg/L	GE	EPA7470A
1	Nitrate-nitrite as nitrogen	5,700			150		µg/L	GE	EPA353.1
0	pH	5.16	J	Q	0.100		pH	GE	EPA9040B
0	Specific conductance	62.1			1.00		µS/cm	GE	EPA9050A
0	Gross alpha	1.55E-09±5.34E-10	J	I	5.09E-10		µCi/mL	GP	EPIA-001
0	Gross alpha	1.80E-09±5.77E-10			4.81E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	6.25E-09±7.97E-10			9.69E-10		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	5.74E-09±8.17E-10			1.11E-09		µCi/mL	GP	EPIA-001
2	Tritium	4.95E-05±1.32E-06			6.05E-07		µCi/mL	GP	EPIA-002

**WELL HWP 2D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/10/99  
 Depth to water: 9.23 ft (2.81 m) below TOC  
 Water elevation: 260.77 ft (79.48 m) msl  
 pH: 5.4  
 Sp. conductance: 150 µS/cm  
 Turbidity: 7 NTU  
 Water evacuated from the well prior to sampling: 11 gal

Time: 8:37  
 Water temperature: 21.5°C  
 Air temperature: 30.3°C  
 Total alkalinity (as CaCO3): 59 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<146	U		146		µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U		40.0		µg/L	WA	EPA6010B
0	Barium, total recoverable	29.2	U		1.80		µg/L	WA	EPA6010B
0	Boron, total recoverable	<266	U		266		µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U		4.70		µg/L	WA	EPA6010B
0	Calcium, total recoverable	9,220	U		471		µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Chloride	2,540	U		210		µg/L	WA	EPA9056
0	Chloroform	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Chromium, total recoverable	<0.940	JU	I	7.00		µg/L	WA	EPA6010B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Fluoride	<37.3	U	V	40.0		µg/L	WA	EPA340.2
2	Iron, total recoverable	7,810	U		74.0		µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U		47.0		µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.510	J	I	2.70		µg/L	WA	EPA6010B
0	Magnesium, total recoverable	4,430	U		74.0		µg/L	WA	EPA6010B
2	Manganese, total recoverable	1,340	U		7.80		µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U		0.700		µg/L	WA	EPA7470A
0	Nitrate-nitrite as nitrogen	<20.0	U		20.0		µg/L	WA	EPA353.2
0	Potassium, total recoverable	2,460	U		187		µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U		66.0		µg/L	WA	EPA6010B
0	Silica, total recoverable	3,610	U		1,350		µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U		5.00		µg/L	WA	EPA6010B
0	Sodium, total recoverable	4,130	U		285		µg/L	WA	EPA6010B
0	Sulfate	9,020	U		340		µg/L	WA	EPA9056
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Total dissolved solids	67,000	U		50,000		µg/L	WA	EPA160.1
0	Total organic carbon	1,100	U		1,000		µg/L	WA	EPA9060
0	Total organic halogens	<120	U		120		µg/L	WA	EPA9020B
0	Total phosphates (as P)	<67.0	U		67.0		µg/L	WA	EPA365.2
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	WA	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Gross alpha	6.68E-09±1.37E-09	U		7.20E-10		µCi/mL	TM	EPA900.0M
0	Gross alpha	5.71E-09±1.28E-09	U		7.30E-10		µCi/mL	TM	EPA900.0M

Well HWP 2D collected on 06/10/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Nonvolatilis beta	3.33E-07±6.63E-09				1.91E-09	µCi/mL	TM	EPA900.0M
2	Nonvolatilis beta	3.33E-07±6.64E-09				1.91E-09	µCi/mL	TM	EPA900.0M
2	Tritium	2.14E-05±1.03E-06				5.40E-07	µCi/mL	TM	EPA906.0M
2	Tritium	2.13E-05±1.02E-06				5.40E-07	µCi/mL	TM	EPA906.0M

## WELL KBP 1D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/17/99  
 Depth to water: 59.22 ft (18.05 m) below TOC  
 Water elevation: 204.88 ft (62.45 m) msl  
 pH: 4.9  
 Sp. conductance: 100 µS/cm  
 Turbidity: 12 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 11:05  
 Water temperature: 23.1°C  
 Air temperature: 22.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 4 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	360	J	K	I	146	µg/L	WA	EPA6010B
2	Aluminum, total recoverable	424	J	K	I	146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	11.2				1.80	µg/L	WA	EPA6010B
0	Barium, total recoverable	11.1				1.80	µg/L	WA	EPA6010B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Calcium, total recoverable	477				471	µg/L	WA	EPA6010B
0	Calcium, total recoverable	483				471	µg/L	WA	EPA6010B
0	Chloride	13,100				420	µg/L	WA	EPA9056
0	Chromium, total recoverable	6.70	J	I		7.00	µg/L	WA	EPA6010B
0	Chromium, total recoverable	6.90	J	I		7.00	µg/L	WA	EPA6010B
0	Fluoride	<40.1	U	V		40.0	µg/L	WA	EPA340.2
2	Iron, total recoverable	1,040				74.0	µg/L	WA	EPA6010B
2	Iron, total recoverable	1,110				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	6.20				2.70	µg/L	WA	EPA6010B
0	Lithium, total recoverable	6.20				2.70	µg/L	WA	EPA6010B
0	Magnesium, total recoverable	416				74.0	µg/L	WA	EPA6010B
0	Magnesium, total recoverable	419				74.0	µg/L	WA	EPA6010B
1	Manganese, total recoverable	32.2				7.80	µg/L	WA	EPA6010B
1	Manganese, total recoverable	32.5				7.80	µg/L	WA	EPA6010B
0	Mercury, total recoverable	0.0800	J	I		0.700	µg/L	WA	EPA7470A
0	Nitrate-nitrite as nitrogen	1,460				100	µg/L	WA	EPA353.2
0	Nitrate-nitrite as nitrogen	1,140				187	µg/L	WA	EPA6010B
0	Potassium, total recoverable	1,150				187	µg/L	WA	EPA6010B
0	Potassium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Selenium, total recoverable	8,840				1,350	µg/L	WA	EPA6010B
0	Silica, total recoverable	9,010				1,350	µg/L	WA	EPA6010B
0	Silica, total recoverable	5.00	U			5.00	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sodium, total recoverable	12,300				285	µg/L	WA	EPA6010B
0	Sodium, total recoverable	12,300				285	µg/L	WA	EPA6010B
0	Sulfate	2,200				340	µg/L	WA	EPA9056
0	Total dissolved solids	51,000				50,000	µg/L	WA	EPA160.1
0	Total organic carbon	667	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	13.3	J	I		120	µg/L	WA	EPA9020B
0	Total phosphates (as P)	78.3				67.0	µg/L	WA	EPA365.2
0	Gross alpha	2.50E-09±1.05E-09	J	I		1.20E-09	µCi/mL	TM	EPA900.0M
0	Gross alpha	2.43E-09±1.02E-09	J	I		1.16E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatilis beta	4.04E-09±1.15E-09				1.63E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatilis beta	3.30E-09±1.11E-09	J	I		1.63E-09	µCi/mL	TM	EPA900.0M
0	Tritium	4.70E-06±5.60E-07				5.30E-07	µCi/mL	TM	EPA906.0M
0	Tritium	3.99E-06±5.10E-07				5.10E-07	µCi/mL	TM	EPA906.0M

## WELL KBP 2D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/17/99  
 Depth to water: 55.9 ft (17.04 m) below TOC  
 Water elevation: 202.8 ft (61.81 m) msl  
 pH: 4.5  
 Sp. conductance: 190 µS/cm  
 Turbidity: 12 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 10:50  
 Water temperature: 22°C  
 Air temperature: 21.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	319	J	K	I	146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	45.2				1.80	µg/L	WA	EPA6010B
0	Boron, total recoverable	99.2	J	I		266	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	0.930	J	I		4.70	µg/L	WA	EPA6010B
0	Calcium, total recoverable	6,760				471	µg/L	WA	EPA6010B
0	Chloride	11,400				420	µg/L	WA	EPA9056
0	Chromium, total recoverable	2.70	J	I		7.00	µg/L	WA	EPA6010B
0	Fluoride	<44.2	U	V		40.0	µg/L	WA	EPA340.2
2	Iron, total recoverable	445				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	<2.70	U			2.70	µg/L	WA	EPA6010B
0	Magnesium, total recoverable	4,560				74.0	µg/L	WA	EPA6010B
2	Manganese, total recoverable	250				7.80	µg/L	WA	EPA6010B
0	Mercury, total recoverable	0.140	J	I		0.700	µg/L	WA	EPA7470A
0	Nitrate-nitrite as nitrogen	1,260				100	µg/L	WA	EPA353.2
0	Potassium, total recoverable	6,800				187	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silica, total recoverable	9,260				1,350	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sodium, total recoverable	11,300				285	µg/L	WA	EPA6010B
0	Sulfate	47,300				3,400	µg/L	WA	EPA9056
0	Total dissolved solids	89,000				50,000	µg/L	WA	EPA160.1
0	Total organic carbon	806	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	14.4	J	I		120	µg/L	WA	EPA9020B
0	Total phosphates (as P)	25.9	J	I		67.0	µg/L	WA	EPA365.2
1	Gross alpha	1.41E-08±2.27E-09				1.33E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatilis beta	1.53E-08±1.66E-09				1.67E-09	µCi/mL	TM	EPA900.0M
0	Tritium	4.73E-06±5.50E-07				5.20E-07	µCi/mL	TM	EPA906.0M

## WELL KCB 1

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/12/99  
 Depth to water: 60.77 ft (18.52 m) below TOC  
 Water elevation: 199.63 ft (60.85 m) msl  
 pH: 5.2  
 Sp. conductance: 32 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 49 gal

Time: 14:34  
 Water temperature: 21.1°C  
 Air temperature: 25.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<55.7	U	V		50.0	µg/L	GE	EPA6010B
0	Beryllium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Bis(2-ethylhexyl) phthalate	<10.0	U		X	10.0	µg/L	GE	EPA8270C
0	Chromium, hexavalent	<20.0	JU	Q		20.0	µg/L	GE	EPA7196A
0	Chromium, total recoverable	6.21				5.00	µg/L	GE	EPA6010B
1	Iron, total recoverable	231				50.0	µg/L	GE	EPA6010B
0	pH	5.11	J	Q		0.100	pH	GE	EPA9040B
0	Gross alpha	1.03E-09±4.74E-10	J	I		4.49E-10	µCi/mL	GP	EPIA-001
2	Radium-226	6.75E-09±1.25E-09				4.37E-10	µCi/mL	GP	EPIA-008
0	Radium-228	3.70E-10±5.29E-10	U			1.12E-09	µCi/mL	GP	EPIA-009
0	Uranium-233/234	1.07E-11±4.33E-11	U			1.28E-10	µCi/mL	GP	EPIA-011
0	Uranium-235	1.56E-11±4.23E-11	U			1.09E-10	µCi/mL	GP	EPIA-011
0	Uranium-238	1.56E-11±4.22E-11	U			1.08E-10	µCi/mL	GP	EPIA-011

## WELL KCB 3

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/12/99  
 Depth to water: 50.8 ft (15.48 m) below TOC  
 Water elevation: 197.1 ft (60.08 m) msl  
 pH: 4.1  
 Sp. conductance: 210 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 36 gal

Time: 13:35  
 Water temperature: 21.4°C  
 Air temperature: 22.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	3,890			50.0		µg/L	GE	EPA6010B
2	Aluminum, total recoverable	2,810			146		µg/L	WA	EPA6010B
0	Beryllium, total recoverable	0.557	J	I	5.00		µg/L	GE	EPA6010B
0	Beryllium, total recoverable	0.350	J	I	1.60		µg/L	WA	EPA6010B
0	Bis(2-ethylhexyl) phthalate	<10.3	U		10.3		µg/L	GE	EPA8270C
0	Bis(2-ethylhexyl) phthalate	<10.2	U		10.2		µg/L	WA	EPA8270C
0	Bis(2-ethylhexyl) phthalate	<20.0	U		20.0		µg/L	WA	EPA8270C
0	Chromium, hexavalent	<20.0	JU	Q	20.0		µg/L	GE	EPA7196A
0	Chromium, hexavalent	<200	U		200		µg/L	WA	EPA7196A
0	Chromium, hexavalent	<200	U		200		µg/L	WA	EPA7196A
0	Chromium, total recoverable	<5.00	U		5.00		µg/L	GE	EPA6010B
0	Chromium, total recoverable	<1.00	JU	I	7.00		µg/L	WA	EPA6010B
2	Iron, total recoverable	467			50.0		µg/L	GE	EPA6010B
2	Iron, total recoverable	2,030			74.0		µg/L	WA	EPA6010B
0	pH	4.16	J	Q	0.100		pH	GE	EPA9040B
0	pH	4.13	J	Q	0.100		pH	WA	EPA9040B
0	pH	4.15	J	Q	0.100		pH	WA	EPA9040B
1	Gross alpha	1.48E-08±1.98E-09			6.64E-10		µCi/mL	GP	EPIA-001
2	Gross alpha	1.70E-08±2.35E-09			8.50E-10		µCi/mL	TM	EPA900.0M
2	Gross alpha	1.75E-08±2.40E-09			8.60E-10		µCi/mL	TM	EPA900.0M
2	Radium-226	7.52E-09±1.33E-09			5.55E-10		µCi/mL	GP	EPIA-008
1	Radium-226	3.22E-09±8.10E-10			3.40E-10		µCi/mL	TM	EPA903.0M
1	Radium-226	2.67E-09±7.50E-10			3.90E-10		µCi/mL	TM	EPA903.0M
1	Radium-228	4.12E-09±7.34E-10			1.10E-09		µCi/mL	GP	EPIA-009
1	Radium-228	4.64E-09±1.19E-09			1.95E-09		µCi/mL	TM	EPA904.0M
1	Radium-228	3.87E-09±1.06E-09			1.67E-09		µCi/mL	TM	EPA904.0M
0	Uranium-233/234	4.35E-10±2.04E-10	J	I	1.16E-10		µCi/mL	GP	EPIA-011
0	Uranium-235	6.09E-11±7.75E-11	J		1.16E-10		µCi/mL	GP	EPIA-011
0	Uranium-238	2.81E-10±1.63E-10	J	I	1.16E-10		µCi/mL	GP	EPIA-011

## WELL KCB 3 Replicate

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/12/99  
 Depth to water: 50.8 ft (15.48 m) below TOC  
 Water elevation: 197.1 ft (60.08 m) msl  
 pH: 4.1  
 Sp. conductance: 210 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 36 gal

Time: 13:35  
 Water temperature: 21.4°C  
 Air temperature: 22.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	3,950			50.0		µg/L	GE	EPA6010B
0	Beryllium, total recoverable	0.535	J	I	5.00		µg/L	GE	EPA6010B
0	Bis(2-ethylhexyl) phthalate	<10.2	U		10.2		µg/L	GE	EPA8270C
0	Chromium, hexavalent	<20.0	JU	Q	20.0		µg/L	GE	EPA7196A
0	Chromium, total recoverable	<5.00	U		5.00		µg/L	GE	EPA6010B
2	Iron, total recoverable	423			50.0		µg/L	GE	EPA6010B
0	pH	4.18	J	Q	0.100		pH	GE	EPA9040B
2	Gross alpha	1.67E-08±2.14E-09			9.63E-10		µCi/mL	GP	EPIA-001
1	Radium-226	3.84E-09±9.47E-10			4.35E-10		µCi/mL	GP	EPIA-008
1	Radium-228	2.94E-09±6.67E-10			1.05E-09		µCi/mL	GP	EPIA-009
0	Uranium-233/234	3.58E-10±1.79E-10	J	I	6.32E-11		µCi/mL	GP	EPIA-011
0	Uranium-235	2.11E-11±4.23E-11	U		6.34E-11		µCi/mL	GP	EPIA-011
0	Uranium-238	1.63E-10±1.21E-10	J	I	1.11E-10		µCi/mL	GP	EPIA-011

## WELL KCB 5

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/13/99  
 Depth to water: 52.1 ft (15.88 m) below TOC  
 Water elevation: 196.8 ft (59.99 m) msl  
 pH: 3.9  
 Sp. conductance: 400 µS/cm  
 Turbidity: 14 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 10:50  
 Water temperature: 24.5°C  
 Air temperature: 26°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	10,500			50.0		µg/L	GE	EPA6010B
1	Beryllium, total recoverable	2.01	J	I	5.00		µg/L	GE	EPA6010B
0	Bis(2-ethylhexyl) phthalate	<10.3	U		10.3		µg/L	GE	EPA8270C
0	Chromium, hexavalent	6.00	J	IQ	20.0		µg/L	GE	EPA7196A
0	Chromium, total recoverable	6.68	J		5.00		µg/L	GE	EPA6010B
2	Iron, total recoverable	1,390	J	K	50.0		µg/L	GE	EPA6010B
1	pH	3.97	J	Q	0.100		pH	GE	EPA9040B
1	pH	3.98	J	Q	0.100		pH	GE	EPA9040B
1	Gross alpha	1.03E-08±1.49E-09			1.15E-09		µCi/mL	GP	EPIA-001
0	Radium-226	1.88E-09±9.41E-10	J	I	1.01E-09		µCi/mL	GP	EPIA-008
0	Radium-228	2.04E-09±5.41E-10	J		9.20E-10		µCi/mL	GP	EPIA-009
0	Uranium-233/234	3.30E-10±1.63E-10	J	I	1.25E-10		µCi/mL	GP	EPIA-011
0	Uranium-235	5.43E-11±6.30E-11	U		5.43E-11		µCi/mL	GP	EPIA-011
0	Uranium-238	1.22E-10±9.69E-11	J	I	9.53E-11		µCi/mL	GP	EPIA-011

## WELL KCB 6

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/13/99  
 Depth to water: 51.41 ft (15.67 m) below TOC  
 Water elevation: 197.09 ft (60.07 m) msl  
 pH: 4.6  
 Sp. conductance: 47 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 12 gal

Time: 11:51  
 Water temperature: 23°C  
 Air temperature: 27.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	64.5			50.0		µg/L	GE	EPA6010B
0	Beryllium, total recoverable	<5.00	U		5.00		µg/L	GE	EPA6010B
0	Bis(2-ethylhexyl) phthalate	<10.0	U		10.0		µg/L	GE	EPA8270C
0	Chromium, hexavalent	12.0	J	IQ	20.0		µg/L	GE	EPA7196A
0	Chromium, hexavalent	13.0	J	IQ	20.0		µg/L	GE	EPA7196A
0	Chromium, total recoverable	1.61	J	I	5.00		µg/L	GE	EPA6010B
0	Iron, total recoverable	<50.0	J		50.0		µg/L	GE	EPA6010B
0	pH	4.87	J	Q	0.100		pH	GE	EPA9040B
0	Gross alpha	1.63E-09±6.56E-10	J	I	8.26E-10		µCi/mL	GP	EPIA-001
2	Radium-226	5.48E-09±1.42E-09			6.84E-10		µCi/mL	GP	EPIA-008
2	Radium-226	5.40E-09±1.40E-09			6.75E-10		µCi/mL	GP	EPIA-008
0	Radium-228	4.74E-10±2.91E-10	U		5.69E-10		µCi/mL	GP	EPIA-009
0	Radium-228	9.96E-10±5.08E-10	J	I	8.75E-10		µCi/mL	GP	EPIA-009
0	Uranium-233/234	1.19E-11±4.85E-11	U		1.43E-10		µCi/mL	GP	EPIA-011
0	Uranium-233/234	5.29E-10±2.21E-10	J		6.34E-11		µCi/mL	GP	EPIA-011
0	Uranium-235	-5.52E-12±1.11E-11	U		1.21E-10		µCi/mL	GP	EPIA-011
0	Uranium-235	2.12E-11±4.25E-11	U		6.36E-11		µCi/mL	GP	EPIA-011
0	Uranium-238	1.09E-10±1.04E-10	U		1.21E-10		µCi/mL	GP	EPIA-011
0	Uranium-238	2.70E-10±1.56E-10	J	I	1.12E-10		µCi/mL	GP	EPIA-011

## WELL KDB 1

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/27/99  
 Depth to water: 66.15 ft (20.16 m) below TOC  
 Water elevation: 206.95 ft (63.08 m) msl  
 pH: 5  
 Sp. conductance: 80 µS/cm  
 Turbidity: 10 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 11:00  
 Water temperature: 25.4°C  
 Air temperature: 30.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 20 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

Well KDB 1 collected on 04/27/99 (cont.)

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Tritium	5.19E-05±1.68E-06			5.80E-07		µCi/mL	TM	EPA906.0M
2	Tritium	5.10E-05±1.65E-06			5.80E-07		µCi/mL	TM	EPA906.0M

## WELL KDB 1

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/21/99  
 Depth to water: 66.64 ft (20.31 m) below TOC  
 Water elevation: 206.46 ft (62.93 m) msl  
 pH: 4.7  
 Sp. conductance: 98 µS/cm  
 Turbidity: 9 NTU  
 Water evacuated from the well prior to sampling: 2 gal  
 The well went dry during purging.

Time: 9:53  
 Water temperature: 22.6°C  
 Air temperature: 29.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 21 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Tritium	7.06E-05±1.87E-06			6.10E-07		µCi/mL	TM	EPA906.0M
2	Tritium	6.28E-05±1.70E-06			5.70E-07		µCi/mL	TM	EPA906.0M

## WELL KDB 1

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/21/99  
 Depth to water: 67.11 ft (20.46 m) below TOC  
 Water elevation: 205.99 ft (62.79 m) msl  
 pH: 5.1  
 Sp. conductance: 120 µS/cm  
 Turbidity: 14 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 10:15  
 Water temperature: 25.6°C  
 Air temperature: 19.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 20 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Tritium	8.26E-05±1.98E-06			5.10E-07		µCi/mL	TM	EPA906.0M
2	Tritium	7.26E-05±1.79E-06			4.70E-07		µCi/mL	TM	EPA906.0M

## WELL KDB 2

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 67.98 ft (20.72 m) below TOC  
 Water elevation: 205.52 ft (62.64 m) msl  
 pH: 4.4  
 Sp. conductance: 36 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 47 gal

Time: 14:37  
 Water temperature: 23.5°C  
 Air temperature: 22.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Tritium	8.34E-04±6.22E-06	J	K	CX	5.10E-07	µCi/mL	TM	EPA906.0M
2	Tritium	1.07E-03±7.92E-06	J	K	CX	6.50E-07	µCi/mL	TM	EPA906.0M

## WELL KDB 2

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/27/99  
 Depth to water: 68.25 ft (20.8 m) below TOC  
 Water elevation: 205.25 ft (62.56 m) msl  
 pH: 4.5  
 Sp. conductance: 34 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 60 gal

Time: 10:09  
 Water temperature: 24°C  
 Air temperature: 24.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

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Well KDB 2 collected on 04/27/99 (cont.)

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Tritium	7.54E-04±5.69E-06			4.80E-07		µCi/mL	TM	EPA906.0M

## WELL KDB 2

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/21/99  
 Depth to water: 69.7 ft (21.24 m) below TOC  
 Water elevation: 203.8 ft (62.12 m) msl  
 pH: 4.4  
 Sp. conductance: 37 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 53 gal

Time: 8:40  
 Water temperature: 22.8°C  
 Air temperature: 19.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Tritium	9.36E-04±6.38E-06			5.50E-07		µCi/mL	TM	EPA906.0M

## WELL KDB 2

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/21/99  
 Depth to water: 69.09 ft (21.06 m) below TOC  
 Water elevation: 204.41 ft (62.3 m) msl  
 pH: 4.9  
 Sp. conductance: 39 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 46 gal

Time: 9:28  
 Water temperature: 24.9°C  
 Air temperature: 19°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Tritium	1.04E-03±6.93E-06			5.00E-07		µCi/mL	TM	EPA906.0M

## WELL KDB 3

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/27/99  
 Depth to water: 67.1 ft (20.45 m) below TOC  
 Water elevation: 206.3 ft (62.88 m) msl  
 pH: 5.4  
 Sp. conductance: 120 µS/cm  
 Turbidity: 4 NTU  
 Water evacuated from the well prior to sampling: 5 gal  
 The well went dry during purging.

Time: 10:23  
 Water temperature: 24.4°C  
 Air temperature: 27.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 44 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Tritium	3.02E-05±1.29E-06			5.80E-07		µCi/mL	TM	EPA906.0M

## WELL KDB 3

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/21/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: Not available  
 Water temperature: Not available  
 Air temperature: Not available  
 Total alkalinity (as CaCO<sub>3</sub>): Not available  
 Phenolphthalein alkalinity: Not available

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Tritium	2.21E-05±1.06E-06			5.90E-07		µCi/mL	TM	EPA906.0M

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## WELL KDB 3

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/21/99  
 Depth to water: 68 ft (20.73 m) below TOC  
 Water elevation: 205.4 ft (62.61 m) msl  
 pH: 5.9  
 Sp. conductance: 170 µS/cm  
 Turbidity: 16 NTU  
 Water evacuated from the well prior to sampling: 2 gal  
 The well went dry during purging.

Time: 9:50  
 Water temperature: 24.8°C  
 Air temperature: 19.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 46 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SXN

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Tritium	2.47E-05±1.13E-06			5.20E-07		µCi/mL	TM	EPA906.0M

## WELL KDB 4

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/27/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 5.2  
 Sp. conductance: 38 µS/cm  
 Turbidity: 9 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 10:42  
 Water temperature: 22.9°C  
 Air temperature: 30°C  
 Total alkalinity (as CaCO<sub>3</sub>): 6 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Tritium	7.37E-04±6.69E-06			6.80E-07		µCi/mL	TM	EPA906.0M

## WELL KDB 4

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/21/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 5.3  
 Sp. conductance: 35 µS/cm  
 Turbidity: 8 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 9:33  
 Water temperature: 22.1°C  
 Air temperature: 27.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 5 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Tritium	6.73E-04±5.74E-06			6.20E-07		µCi/mL	TM	EPA906.0M

## WELL KDB 4

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/21/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 5.6  
 Sp. conductance: 44 µS/cm  
 Turbidity: 4 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 10:05  
 Water temperature: 24.7°C  
 Air temperature: 19.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 10 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Tritium	8.31E-04±6.88E-06			6.20E-07		µCi/mL	TM	EPA906.0M

## WELL KDB 5

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/27/99  
 Depth to water: 66.05 ft (20.13 m) below TOC  
 Water elevation: 204.05 ft (62.2 m) msl  
 pH: 5.3  
 Sp. conductance: 22 µS/cm  
 Turbidity: 19 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 11:47  
 Water temperature: 26.5°C  
 Air temperature: 31.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 4 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SXN

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Tritium	1.59E-04±2.90E-06			5.90E-07		µCi/mL	TM	EPA906.0M

## WELL KDB 5

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/21/99  
 Depth to water: 66.47 ft (20.26 m) below TOC  
 Water elevation: 203.63 ft (62.07 m) msl  
 pH: 4.5  
 Sp. conductance: 20 µS/cm  
 Turbidity: 52 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 10:18  
 Water temperature: 24.3°C  
 Air temperature: 30°C  
 Total alkalinity (as CaCO<sub>3</sub>): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SXN

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Tritium	7.25E-05±1.88E-06			6.00E-07		µCi/mL	TM	EPA906.0M

## WELL KDB 5

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/21/99  
 Depth to water: 66.91 ft (20.39 m) below TOC  
 Water elevation: 203.19 ft (61.93 m) msl  
 pH: 4.9  
 Sp. conductance: 21 µS/cm  
 Turbidity: 18 NTU  
 Water evacuated from the well prior to sampling: 3 gal  
 The well went dry during purging.

Time: 14:45  
 Water temperature: 27.9°C  
 Air temperature: 28.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SXN

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Tritium	1.57E-04±2.75E-06			5.20E-07		µCi/mL	TM	EPA906.0M

## WELL LAW 2C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/27/99  
 Depth to water: 17.41 ft (5.31 m) below TOC  
 Water elevation: 206.59 ft (62.97 m) msl  
 pH: 4.5  
 Sp. conductance: 43 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 68 gal

Time: 9:56  
 Water temperature: 22°C  
 Air temperature: 23.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Tritium	4.09E-03±9.94E-05			2.71E-05		µCi/mL	TM	EPA906.0M
2	Tritium	4.28E-03±1.04E-04			2.82E-05		µCi/mL	TM	EPA906.0M

## WELL LAW 2C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/24/99  
 Depth to water: 17.92 ft (5.46 m) below TOC  
 Water elevation: 206.08 ft (62.81 m) msl  
 pH: 4.3  
 Sp. conductance: 42 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 70 gal

Time: 12:14  
 Water temperature: 22.4°C  
 Air temperature: 30°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Tritium	4.57E-03±1.06E-04			2.76E-05		µCi/mL	TM	EPA906.0M
2	Tritium	4.48E-03±1.04E-04			2.71E-05		µCi/mL	TM	EPA906.0M

## WELL LAW 2C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/21/99  
 Depth to water: 17.45 ft (5.32 m) below TOC  
 Water elevation: 206.55 ft (62.96 m) msl  
 pH: 4.4  
 Sp. conductance: 41 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 64 gal

Time: 14:50  
 Water temperature: 22.1°C  
 Air temperature: 29.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Tritium	3.54E-03±9.40E-05			2.54E-05		µCi/mL	TM	EPA906.0M
2	Tritium	3.92E-03±1.01E-04			2.65E-05		µCi/mL	TM	EPA906.0M

## WELL LBP 1D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/16/99  
 Depth to water: 47.88 ft (14.59 m) below TOC  
 Water elevation: 258.92 ft (78.92 m) msl  
 pH: 10.6  
 Sp. conductance: 260 µS/cm  
 Turbidity: 11 NTU  
 No water was evacuated from the well prior to sampling.  
 The well went dry during purging.

Time: 12:40  
 Water temperature: 19.6°C  
 Air temperature: 31.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 59 mg/L  
 Phenolphthalein alkalinity: 47 mg/L  
 Field Qualifier(s): VXH

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	1,830	J	K	I	146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	5.60				1.80	µg/L	WA	EPA6010B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Calcium, total recoverable	20,500				471	µg/L	WA	EPA6010B
0	Chloride	1,490				210	µg/L	WA	EPA9056
0	Chromium, total recoverable	18.7				7.00	µg/L	WA	EPA6010B
0	Fluoride	156				40.0	µg/L	WA	EPA340.2
2	Iron, total recoverable	850				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	1.20	J	I		2.70	µg/L	WA	EPA6010B
0	Magnesium, total recoverable	191				74.0	µg/L	WA	EPA6010B
0	Manganese, total recoverable	12.9				7.80	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nitrate-nitrite as nitrogen	836				20.0	µg/L	WA	EPA353.2
0	Potassium, total recoverable	8,060				187	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silica, total recoverable	6,440				1,350	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sodium, total recoverable	2,500				285	µg/L	WA	EPA6010B
0	Sulfate	2,230				340	µg/L	WA	EPA9056
0	Total dissolved solids	89,000				50,000	µg/L	WA	EPA160.1
0	Total organic carbon	384	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	Total phosphates (as P)	159				67.0	µg/L	WA	EPA365.2

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Well LBP 1D collected on 06/16/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Gross alpha	1.20E-09±8.80E-10	U			1.26E-09	µCi/mL	TM	EPA900.0M
0	Gross alpha	7.80E-10±8.90E-10	U			1.45E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	8.17E-09±1.62E-09				2.09E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	8.10E-09±1.65E-09				2.14E-09	µCi/mL	TM	EPA900.0M
0	Tritium	1.72E-06±4.30E-07				5.70E-07	µCi/mL	TM	EPA906.0M
0	Tritium	1.80E-06±4.20E-07				5.50E-07	µCi/mL	TM	EPA906.0M

## WELL LBP 2D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/15/99  
 Depth to water: 41.65 ft (12.7 m) below TOC  
 Water elevation: 257.75 ft (78.56 m) msl  
 pH: 4.6  
 Sp. conductance: 38 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 10 gal

Time: 13:57  
 Water temperature: 22.6°C  
 Air temperature: 31.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	76.3	J	I		146	µg/L	WA	EPA6010B
2	Aluminum, total recoverable	71.6	J	I		146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	29.0				1.80	µg/L	WA	EPA6010B
0	Barium, total recoverable	28.9				1.80	µg/L	WA	EPA6010B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Calcium, total recoverable	413	J	I		471	µg/L	WA	EPA6010B
0	Calcium, total recoverable	406	J	I		471	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloride	3,600				210	µg/L	WA	EPA9056
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chromium, total recoverable	<3.80	U	V		7.00	µg/L	WA	EPA6010B
0	Chromium, total recoverable	4.00	J	I		7.00	µg/L	WA	EPA6010B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Fluoride	<30.1	U	V		40.0	µg/L	WA	EPA340.2
0	Iron, total recoverable	61.4	J	I		74.0	µg/L	WA	EPA6010B
0	Iron, total recoverable	84.0				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.380	J	I		2.70	µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.400	J	I		2.70	µg/L	WA	EPA6010B
0	Magnesium, total recoverable	858				74.0	µg/L	WA	EPA6010B
0	Magnesium, total recoverable	859				74.0	µg/L	WA	EPA6010B
0	Manganese, total recoverable	7.00	J	I		7.80	µg/L	WA	EPA6010B
0	Manganese, total recoverable	7.00	J	I		7.80	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nitrate-nitrite as nitrogen	636				20.0	µg/L	WA	EPA353.2
0	Potassium, total recoverable	969				187	µg/L	WA	EPA6010B
0	Potassium, total recoverable	960				187	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silica, total recoverable	6,580				1,350	µg/L	WA	EPA6010B
0	Silica, total recoverable	6,560				1,350	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sodium, total recoverable	728				285	µg/L	WA	EPA6010B
0	Sodium, total recoverable	727				285	µg/L	WA	EPA6010B
0	Sulfate	330	J	I		340	µg/L	WA	EPA9056
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Total dissolved solids	12,000	J	I		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	236	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	19.9	J	I		120	µg/L	WA	EPA9020B
0	Total organic halogens	19.3	J	I		120	µg/L	WA	EPA9020B
0	Total phosphates (as P)	19.2	J	I		67.0	µg/L	WA	EPA365.2
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Gross alpha	1.52E-09±7.20E-10	J	I		9.20E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.07E-09±1.21E-09	U			2.02E-09	µCi/mL	TM	EPA900.0M
0	Tritium	1.30E-06±3.70E-07				4.90E-07	µCi/mL	TM	EPA906.0M
0	Tritium	1.28E-06±3.70E-07				5.00E-07	µCi/mL	TM	EPA906.0M

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Second Quarter 1999

**WELL LBP 3D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/16/99  
 Depth to water: 37.18 ft (11.33 m) below TOC  
 Water elevation: 258.12 ft (78.68 m) msl  
 pH: 5  
 Sp. conductance: 20 µS/cm  
 Turbidity: 6 NTU  
 Water evacuated from the well prior to sampling: 13 gal

Time: 11:55  
 Water temperature: 20.3°C  
 Air temperature: 32°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<146	U			146	µg/L	WA	EPA6010B
0 Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0 Barium, total recoverable	11.8				1.80	µg/L	WA	EPA6010B
0 Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0 Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0 Calcium, total recoverable	309	J	I		471	µg/L	WA	EPA6010B
0 Chloride	2,160				210	µg/L	WA	EPA9056
0 Chromium, total recoverable	1.20	J	I		7.00	µg/L	WA	EPA6010B
0 Fluoride	<46.7	U	V		40.0	µg/L	WA	EPA340.2
0 Iron, total recoverable	<44.9	U	V		74.0	µg/L	WA	EPA6010B
0 Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0 Lithium, total recoverable	0.960	J	I		2.70	µg/L	WA	EPA6010B
0 Magnesium, total recoverable	259				74.0	µg/L	WA	EPA6010B
0 Manganese, total recoverable	4.80	J	I		7.80	µg/L	WA	EPA6010B
0 Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0 Nitrate-nitrite as nitrogen	161				20.0	µg/L	WA	EPA353.2
0 Potassium, total recoverable	621				187	µg/L	WA	EPA6010B
0 Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0 Silica, total recoverable	5,100				1,350	µg/L	WA	EPA6010B
0 Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0 Sodium, total recoverable	1,230				285	µg/L	WA	EPA6010B
0 Sulfate	439				340	µg/L	WA	EPA9056
0 Total dissolved solids	<50,000	U			50,000	µg/L	WA	EPA160.1
0 Total dissolved solids	<50,000	U			50,000	µg/L	WA	EPA160.1
0 Total organic carbon	571	J	I		1,000	µg/L	WA	EPA9060
0 Total organic carbon	561	J	I		1,000	µg/L	WA	EPA9060
0 Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0 Total phosphates (as P)	<67.0	U			67.0	µg/L	WA	EPA365.2
0 Gross alpha	5.50E-10±5.20E-10	U			8.10E-10	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	4.00E-11±9.70E-10	U			1.72E-09	µCi/mL	TM	EPA900.0M
0 Tritium	3.58E-06±5.10E-07				5.60E-07	µCi/mL	TM	EPA906.0M

**WELL LDB 1**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/27/99  
 Depth to water: 36.25 ft (11.05 m) below TOC  
 Water elevation: 215.65 ft (65.73 m) msl  
 pH: 4.8  
 Sp. conductance: 50 µS/cm  
 Turbidity: 18 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 14:36  
 Water temperature: 24.8°C  
 Air temperature: 34.6°C  
 Total alkalinity (as CaCO3): 7 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SXN

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Tritium	7.34E-06±6.80E-07				5.40E-07	µCi/mL	TM	EPA906.0M
0 Tritium	8.57E-06±7.30E-07				5.50E-07	µCi/mL	TM	EPA906.0M

**WELL LDB 1**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/24/99  
 Depth to water: 36.72 ft (11.19 m) below TOC  
 Water elevation: 215.18 ft (65.59 m) msl  
 pH: 4.6  
 Sp. conductance: 59 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 43 gal

Time: 10:46  
 Water temperature: 24.3°C  
 Air temperature: 24.1°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

Well LDB 1 collected on 05/24/99 (cont.)

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Tritium	8.18E-06±6.80E-07				5.30E-07	µCi/mL	TM	EPA906.0M
0 Tritium	8.27E-06±6.80E-07				5.30E-07	µCi/mL	TM	EPA906.0M

**WELL LDB 1**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/21/99  
 Depth to water: 37.21 ft (11.34 m) below TOC  
 Water elevation: 214.69 ft (65.44 m) msl  
 pH: 4.9  
 Sp. conductance: 55 µS/cm  
 Turbidity: 5 NTU  
 Water evacuated from the well prior to sampling: 47 gal

Time: 13:13  
 Water temperature: 26.9°C  
 Air temperature: 25.2°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Tritium	8.89E-06±6.80E-07				4.90E-07	µCi/mL	TM	EPA906.0M
0 Tritium	9.30E-06±7.10E-07				5.00E-07	µCi/mL	TM	EPA906.0M

**WELL LDB 2**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/27/99  
 Depth to water: 35.44 ft (10.8 m) below TOC  
 Water elevation: 217.46 ft (66.28 m) msl  
 pH: 4.6  
 Sp. conductance: 84 µS/cm  
 Turbidity: 17 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 13:56  
 Water temperature: 25.2°C  
 Air temperature: 34.2°C  
 Total alkalinity (as CaCO3): 6 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Tritium	3.47E-06±5.20E-07				5.40E-07	µCi/mL	TM	EPA906.0M

**WELL LDB 2**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/21/99  
 Depth to water: 35.88 ft (10.94 m) below TOC  
 Water elevation: 217.02 ft (66.15 m) msl  
 pH: 4.8  
 Sp. conductance: 92 µS/cm  
 Turbidity: 32 NTU  
 Water evacuated from the well prior to sampling: 3 gal  
 The well went dry during purging.

Time: 12:43  
 Water temperature: 22.8°C  
 Air temperature: 34°C  
 Total alkalinity (as CaCO3): 9 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SXN

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Tritium	3.07E-06±4.70E-07				5.20E-07	µCi/mL	TM	EPA906.0M
0 Tritium	3.36E-06±4.90E-07				5.40E-07	µCi/mL	TM	EPA906.0M

**WELL LDB 2**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/21/99  
 Depth to water: 36.4 ft (11.09 m) below TOC  
 Water elevation: 216.5 ft (65.99 m) msl  
 pH: 4.7  
 Sp. conductance: 82 µS/cm  
 Turbidity: 16 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 13:20  
 Water temperature: 25.2°C  
 Air temperature: 25.9°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

**ANALYTICAL RESULTS**

Well LDB 2 collected on 06/21/99 (cont.)

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Tritium	4.71E-06±5.40E-07			5.10E-07		µCi/mL	TM	EPA906.0M

**WELL LDB 3**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/21/99  
 Depth to water: 37.98 ft (11.42 m) below TOC  
 Water elevation: 215.63 ft (65.72 m) msl  
 pH: 6  
 Sp. conductance: 170 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 43 gal

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Tritium	5.94E-06±6.00E-07			5.40E-07		µCi/mL	TM	EPA906.0M

**WELL LDB 3**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/21/99  
 Depth to water: 37.98 ft (11.58 m) below TOC  
 Water elevation: 215.12 ft (65.57 m) msl  
 pH: 6.3  
 Sp. conductance: 220 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 63 gal

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Tritium	8.04E-04±6.57E-06			5.90E-07		µCi/mL	TM	EPA906.0M

**WELL LDB 4**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/27/99  
 Depth to water: 35.55 ft (10.84 m) below TOC  
 Water elevation: 214.05 ft (65.24 m) msl  
 pH: 4.4  
 Sp. conductance: 80 µS/cm  
 Turbidity: 12 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Tritium	7.56E-06±6.80E-07			5.30E-07		µCi/mL	TM	EPA906.0M

**WELL LDB 4**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/21/99  
 Depth to water: 36.08 ft (11 m) below TOC  
 Water elevation: 213.52 ft (65.08 m) msl  
 pH: 5  
 Sp. conductance: 45 µS/cm  
 Turbidity: 19 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Tritium	5.74E-04±5.17E-06			5.50E-07		µCi/mL	TM	EPA906.0M

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Well LDB 4 collected on 05/21/99 (cont.)

**F Analyte**

Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Tritium			6.50E-04±5.65E-06		µCi/mL	TM	EPA906.0M
2 Tritium			6.61E-04±5.78E-06		µCi/mL	TM	EPA906.0M

**WELL LDB 4**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/21/99  
 Depth to water: 36.52 ft (11.13 m) below TOC  
 Water elevation: 213.08 ft (64.95 m) msl  
 pH: 4.9  
 Sp. conductance: 43 µS/cm  
 Turbidity: 9 NTU  
 Water evacuated from the well prior to sampling: 4 gal  
 The well went dry during purging.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Tritium	2.47E-05±1.11E-06			5.10E-07		µCi/mL	TM	EPA906.0M

**WELL LFW 6R**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/07/99  
 Depth to water: 17.58 ft (5.36 m) below TOC  
 Water elevation: 152.62 ft (46.52 m) msl  
 pH: 4.7  
 Sp. conductance: 35 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 30 gal

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acetone	<10.0	U		10.0		µg/L	EX	EPA8260B
0 Acetonitrile (Methyl cyanide)	<50.0	U		50.0		µg/L	EX	EPA8260B
0 Acrolein	<50.0	U		50.0		µg/L	EX	EPA8260B
0 Allyl chloride	<10.0	U		10.0		µg/L	EX	EPA8260B
0 Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0 Asenic, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
0 Barium, total recoverable	11.0	U		5.00		µg/L	EX	EPA8260B
0 Benzene	<5.00	U		5.00		µg/L	EX	EPA8260B
0 Bromochloromethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0 Bromoform	<5.00	U		5.00		µg/L	EX	EPA8260B
0 Bromomethane	<10.0	U		10.0		µg/L	EX	EPA8260B
0 Cadmium, total recoverable	<5.00	U		5.00		µg/L	EX	EPA8260B
0 Carbon disulfide	<5.00	U		5.00		µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U		5.00		µg/L	EX	EPA8260B
0 Chlorobenzene	<10.0	U		10.0		µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<5.00	U		5.00		µg/L	EX	EPA8260B
0 Chloroform	<5.00	U		5.00		µg/L	EX	EPA8260B
0 Chloromethane	<50.0	U		50.0		µg/L	EX	EPA8260B
0 Chloroprene	<10.0	U		10.0		µg/L	EX	EPA6010B
0 Chromium, total recoverable	<5.00	U		5.00		µg/L	EX	EPA8260B
0 Dibromochloromethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0 1,2-Dibromo-3-chloropropane	<5.00	U		5.00		µg/L	EX	EPA8260B
0 1,2-Dibromoethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0 Dibromomethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0 1,2-Dichlorobenzene	<5.00	U		5.00		µg/L	EX	EPA8260B
0 1,3-Dichlorobenzene	3.60	U		20.0		µg/L	EX	EPA8260B
0 1,4-Dichlorobenzene	<5.00	U		5.00		µg/L	EX	EPA8260B
0 trans-1,4-Dichloro-2-butene	<5.00	U		5.00		µg/L	EX	EPA8260B
0 Dichlorodifluoromethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	22.0	U		5.00		µg/L	EX	EPA8260B
0 cis-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	EX	EPA8260B
0 Dichloromethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U		5.00		µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropane	<5.00	U		5.00		µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropane	<5.00	U		5.00		µg/L	EX	EPA8260B

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**Second Quarter 1999**

**ANALYTICAL RESULTS**

Well LFW 6R collected on 06/07/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iron, total recoverable	95.0	J	I		200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Thallium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	1.80	J	I		5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Gross alpha	5.18E-09±1.16E-09				8.90E-10	µCi/mL	TM	EPA900.0M
0	Gross alpha	5.40E-09±1.18E-09				8.90E-10	µCi/mL	TM	EPA900.0M
0	Trilium	8.60E-07±3.60E-07	J	I		5.40E-07	µCi/mL	TM	EPA906.0M
0	Trilium	1.00E-06±3.70E-07	J	I		5.50E-07	µCi/mL	TM	EPA906.0M

**WELL LFW 8R**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/02/99  
 Depth to water: 21.91 ft (6.68 m) below TOC  
 Water elevation: 148.69 ft (45.32 m) msl  
 pH: 6.5  
 Sp. conductance: 200 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 26 gal

Time: 9:45  
 Water temperature: 19.5°C  
 Air temperature: 29.8°C  
 Total alkalinity (as CaCO3): 81 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<20.0	U	V		10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	3.30	J	I		5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
2	Chloroethene (Vinyl chloride)	8.40				5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B

**ESH-EMS-990521**

Well LFW 8R collected on 06/02/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	3.40	J	I		5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	2.90	J	I		5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	3.50	J	I		5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
2	Iron, total recoverable	55,000				200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<5.10	JU	I	4	10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Gross alpha	5.00E-09±1.36E-09				1.19E-09	µCi/mL	TM	EPA900.0M
0	Gross alpha	4.02E-09±1.27E-09				1.23E-09	µCi/mL	TM	EPA900.0M
0	Trilium	1.52E-06±3.90E-07				5.10E-07	µCi/mL	TM	EPA906.0M
0	Trilium	1.44E-06±3.90E-07				5.20E-07	µCi/mL	TM	EPA906.0M

**WELL LFW 10A**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/03/99  
 Depth to water: 30.31 ft (9.24 m) below TOC  
 Water elevation: 151.29 ft (46.11 m) msl  
 pH: 6.6  
 Sp. conductance: 290 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 72 gal

Time: 9:49  
 Water temperature: 20.2°C  
 Air temperature: 28.7°C  
 Total alkalinity (as CaCO3): 92 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Acetone	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U		X	500	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<20.0	U			20.0	µg/L	WA	EPA8260B
0	Acrolein	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<20.0	U			20.0	µg/L	WA	EPA8260B
0	Acrylonitrile	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Aluminum, total recoverable	<146	U			146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<13.0	U	V		10.0	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	11.2	J	I		40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	2.00	J	I		10.0	µg/L	EX	EPA6010B

**B-159**

**Second Quarter 1999**

Well LFW 10A collected on 06/03/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Barium, total recoverable	<0.990	U	V		1.80	µg/L	WA	EPA6010B
0	Benzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
1	Benzene	3.99	J	I		5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromofom	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromofom	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon disulfide	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Carbon disulfide	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	1.60	J	I	X	5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	1.41	J	I		5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
2	Chloroethane (Vinyl chloride)	13.0			X	5.00	µg/L	EX	EPA8260B
2	Chloroethane (Vinyl chloride)	14.8			X	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroprene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chloroprene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Chromium, total recoverable	<7.00	U			7.00	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dibromoethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dibromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,4-Dichlorobenzene	25.0			X	5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	22.3			X	5.00	µg/L	WA	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U		X	20.0	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	WA	EPA8260B
0	Dichlorodifluoromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
2	1,1-Dichloroethane	49.0			X	5.00	µg/L	EX	EPA8260B
2	1,1-Dichloroethane	56.4			X	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,4-Dioxane	<1,000	U		X	1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	13.0			X	5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	12.2			X	5.00	µg/L	WA	EPA8260B
0	2-Hexanone	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	WA	EPA8260B
2	Iron, total recoverable	31,000				200	µg/L	EX	EPA6010B
2	Iron, total recoverable	31,200				74.0	µg/L	WA	EPA6010B
0	Isobutyl alcohol	<1,500	U		X	1,500	µg/L	EX	EPA8260B
0	Isobutyl alcohol	<100	U			100	µg/L	WA	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Mercury, total recoverable	0.380	J	I		0.700	µg/L	WA	EPA7470A

ESH-EMS-990521

Well LFW 10A collected on 06/03/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Methacrylonitrile	<500	U		X	500	µg/L	EX	EPA8260B
0	Methacrylonitrile	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Methyl ethyl ketone	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Methyl isobutyl ketone	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Methyl methacrylate	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U		X	200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U		X	500	µg/L	EX	EPA8260B
0	Propionitrile	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Styrene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Styrene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	11.0			X	5.00	µg/L	EX	EPA8260B
0	Toluene	11.6			X	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Vinyl acetate	<20.0	U		X	20.0	µg/L	EX	EPA8260B
0	Vinyl acetate	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Xylenes	21.0			X	10.0	µg/L	EX	EPA8260B
0	Xylenes	20.3			X	5.00	µg/L	WA	EPA8260B
0	Gross alpha	4.78E-10±6.30E-10	U			1.22E-09	µCi/mL	GP	EPIA-001
0	Gross alpha	1.67E-09±7.00E-10				2.10E-10	µCi/mL	TM	EPA900.0M
0	Gross alpha	1.48E-09±6.50E-10	U		6	2.00E-10	µCi/mL	TM	EPA900.0M
2	Tritium	3.25E-05±1.12E-06				6.38E-07	µCi/mL	GP	EPIA-002
2	Tritium	2.91E-05±1.19E-06				5.60E-07	µCi/mL	TM	EPA906.0M
2	Tritium	3.05E-05±1.24E-06				5.80E-07	µCi/mL	TM	EPA906.0M

## WELL LFW 10A Replicate

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/03/99  
 Depth to water: 30.31 ft (9.24 m) below TOC  
 Water elevation: 151.29 ft (46.11 m) msl  
 pH: 6.6  
 Sp. conductance: 290 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 72 gal

Time: 9:49  
 Water temperature: 20.2°C  
 Air temperature: 28.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 92 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U		X	500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<17.0	U	V		10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	2.00	J	I		10.0	µg/L	EX	EPA6010B
1	Benzene	3.70	J	I	X	5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromofom	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	1.70	J	I	X	5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U		X	10.0	µg/L	EX	EPA8260B

B

**ANALYTICAL RESULTS**

Well LF7 10A collected on 06/03/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method	
2	Chloroethene (Vinyl chloride)	17.0			X	5.00	µg/L	EX	EPA8260B	
0	Chloroform	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Chloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Chloroprene	<5.00	U		X	50.0	µg/L	EX	EPA8260B	
0	Chromium, total recoverable	<10.0	U		X	10.0	µg/L	EX	EPA6010B	
0	Dibromochloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,2-Dibromo-3-chloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,2-Dibromoethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Dibromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,2-Dichlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,3-Dichlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,4-Dichlorobenzene	27.0	U		X	5.00	µg/L	EX	EPA8260B	
0	trans-1,4-Dichloro-2-butene	<20.0	U		X	20.0	µg/L	EX	EPA8260B	
0	Dichlorodifluoromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
2	1,1-Dichloroethane	56.0			X	5.00	µg/L	EX	EPA8260B	
0	1,2-Dichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,1-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	cis-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	trans-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Dichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,2-Dichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	cis-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	trans-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,4-Dioxane	<1,000	U		X	1,000	µg/L	EX	EPA8260B	
0	Ethyl methacrylate	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Ethylbenzene	15.0	U		X	5.00	µg/L	EX	EPA8260B	
0	2-Hexanone	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Iodomethane (Methyl iodide)	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
2	Iron, total recoverable	32,000				200	µg/L	EX	EPA6010B	
0	Isobutyl alcohol	<1,500	U		X	1,500	µg/L	EX	EPA8260B	
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B	
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A	
0	Methacrylonitrile	<500	U		X	500	µg/L	EX	EPA8260B	
0	Methyl ethyl ketone	<10.0	U		X	10.0	µg/L	EX	EPA8260B	
0	Methyl isobutyl ketone	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Methyl methacrylate	<50.0	U		X	50.0	µg/L	EX	EPA8260B	
0	Pentachloroethane	<200	U		X	200	µg/L	EX	EPA8260B	
0	Propionitrile	<500	U		X	500	µg/L	EX	EPA8260B	
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B	
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B	
0	Styrene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,1,1,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,1,2,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Tetrachloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Toluene	12.0	U		X	5.00	µg/L	EX	EPA8260B	
0	1,1,1-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,1,2-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Trichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Trichlorofluoromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,2,3-Trichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Vinyl acetate	<20.0	U		X	20.0	µg/L	EX	EPA8260B	
0	Xylenes	24.0	U		X	10.0	µg/L	EX	EPA8260B	
0	Gross alpha	1.43E-09±6.10E-10	U			6	1.80E-10	µCi/mL	TM	EPA900.0M
2	Tritium	2.95E-05±1.22E-06					5.70E-07	µCi/mL	TM	EPA906.0M

**WELL LF7 10A**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/03/99  
 Depth to water: 30.05 ft (9.16 m) below TOC  
 Water elevation: 153.85 ft (46.89 m) msl  
 pH: 6.2  
 Sp. conductance: 130 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 41 gal

Time: 10:25  
 Water temperature: 20°C  
 Air temperature: 29.7°C  
 Total alkalinity (as CaCO3): 40 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U		X	500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<15.0	U	V		10.0	µg/L	EX	EPA6010B

**ESH-EMS-990521**

Well LF7 18 collected on 06/03/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method	
0	Barium, total recoverable	9.60	J	I		10.0	µg/L	EX	EPA6010B	
0	Benzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Bromodichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Bromoform	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Bromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Cadmium, total recoverable	<10.0	U		X	10.0	µg/L	EX	EPA6010B	
0	Carbon disulfide	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Carbon tetrachloride	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Chlorobenzene	1.30	J	I		5.00	µg/L	EX	EPA8260B	
0	Chloroethane	<10.0	U		X	10.0	µg/L	EX	EPA8260B	
0	Chloroethene (Vinyl chloride)	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Chloroform	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Chloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Chloroprene	<5.00	U		X	50.0	µg/L	EX	EPA8260B	
0	Chromium, total recoverable	<10.0	U		X	10.0	µg/L	EX	EPA6010B	
0	Dibromochloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,2-Dibromo-3-chloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,2-Dibromoethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Dibromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,2-Dichlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,3-Dichlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,4-Dichlorobenzene	4.50	J	I		5.00	µg/L	EX	EPA8260B	
0	trans-1,4-Dichloro-2-butene	<20.0	U		X	20.0	µg/L	EX	EPA8260B	
0	Dichlorodifluoromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,1-Dichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,2-Dichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,1-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	cis-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	trans-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Dichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,2-Dichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	cis-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	trans-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,4-Dioxane	<1,000	U		X	1,000	µg/L	EX	EPA8260B	
0	Ethyl methacrylate	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Ethylbenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	2-Hexanone	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Iodomethane (Methyl iodide)	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
2	Iron, total recoverable	16,000				200	µg/L	EX	EPA6010B	
0	Isobutyl alcohol	<1,500	U		X	1,500	µg/L	EX	EPA8260B	
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B	
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A	
0	Methacrylonitrile	<500	U		X	500	µg/L	EX	EPA8260B	
0	Methyl ethyl ketone	<10.0	U		X	10.0	µg/L	EX	EPA8260B	
0	Methyl isobutyl ketone	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Methyl methacrylate	<50.0	U		X	50.0	µg/L	EX	EPA8260B	
0	Pentachloroethane	<200	U		X	200	µg/L	EX	EPA8260B	
0	Propionitrile	<500	U		X	500	µg/L	EX	EPA8260B	
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B	
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B	
0	Styrene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,1,1,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,1,2,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Tetrachloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Toluene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,1,1-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,1,2-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Trichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Trichlorofluoromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	1,2,3-Trichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B	
0	Vinyl acetate	<20.0	U		X	20.0	µg/L	EX	EPA8260B	
0	Xylenes	<10.0	U		X	10.0	µg/L	EX	EPA8260B	
0	Gross alpha	5.42E-09±1.01E-09	U				1.30E-10	µCi/mL	TM	EPA900.0M
0	Tritium	1.26E-06±4.00E-07	J	I			5.70E-07	µCi/mL	TM	EPA906.0M

**B-161**

**Second Quarter 1999**

## WELL LFW 21

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/03/99  
 Depth to water: 35.65 ft (10.87 m) below TOC  
 Water elevation: 149.45 ft (45.55 m) msf  
 pH: 6.5  
 Sp. conductance: 220 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 38 gal

Time: 9:21  
 Water temperature: 20.3°C  
 Air temperature: 25.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 73 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Acetone	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<2,500	U		X	2,500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Acrolein	<250	U		X	250	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<250	U		X	250	µg/L	EX	EPA8260B
0	Ailyl chloride	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Ailyl chloride	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U		X	200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<9.70	U	V		10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	4.80	J	V		10.0	µg/L	EX	EPA6010B
0	Benzene	2.30	J	I		5.00	µg/L	EX	EPA8260B
0	Benzene	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromoform	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromomethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U		X	10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Carbon disulfide	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Chlorobenzene	3.40	J	I		5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Chloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
2	Chloroethene (Vinyl chloride)	480	U		X	5.00	µg/L	EX	EPA8260B
2	Chloroethene (Vinyl chloride)	410	U		X	25.0	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chloroform	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chloromethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chloroprene	<250	U		X	250	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U		X	10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Dibromochloromethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	18.0	U		X	5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	15.0	J	I		5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U		X	20.0	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<100	U		X	100	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
2	1,1-Dichloroethane	28.0	U		X	5.00	µg/L	EX	EPA8260B
2	1,1-Dichloroethane	28.0	U		X	25.0	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	20.0	U		X	5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	21.0	J	I		5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B

ESH-EMS-990521

Well LFW 21 collected on 06/03/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	trans-1,2-Dichloroethylene	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U		X	1,000	µg/L	EX	EPA8260B
0	1,4-Dioxane	<5,000	U		X	5,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Ethylbenzene	15.0	U		X	5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	14.0	J	I		5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<25.0	U		X	25.0	µg/L	EX	EPA8260B
2	Iron, total recoverable	21,000	U		X	200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U		X	1,500	µg/L	EX	EPA8260B
0	Isobutyl alcohol	<7,500	U		X	7,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U		X	10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		X	0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U		X	500	µg/L	EX	EPA8260B
0	Methacrylonitrile	<2,500	U		X	2,500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Methyl methacrylate	<250	U		X	250	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U		X	200	µg/L	EX	EPA8260B
0	Pentachloroethane	<1,000	U		X	1,000	µg/L	EX	EPA8260B
0	Propionitrile	<500	U		X	500	µg/L	EX	EPA8260B
0	Propionitrile	<2,500	U		X	2,500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U		X	10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U		X	20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Styrene	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Toluene	13.0	J	I		5.00	µg/L	EX	EPA8260B
0	Toluene	13.0	U		X	25.0	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U		X	20.0	µg/L	EX	EPA8260B
0	Vinyl acetate	<100	U		X	100	µg/L	EX	EPA8260B
0	Xylenes	42.0	J	I		50.0	µg/L	EX	EPA8260B
0	Xylenes	38.0	U		X	50.0	µg/L	EX	EPA8260B
0	Gross alpha	2.86E-09±8.70E-10				1.80E-10	µCi/mL	TM	EPA900.0M
0	Tritium	6.93E-06±6.40E-07				5.50E-07	µCi/mL	TM	EPA906.0M

B-162

Second Quarter 1999

**WELL LFW 23R**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/02/99  
 Depth to water: 21.48 ft (6.55 m) below TOC  
 Water elevation: 148.82 ft (45.36 m) msl  
 pH: 4.6  
 Sp. conductance: 29 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 25 gal

Time: 9:15  
 Water temperature: 21.6°C  
 Air temperature: 25°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	8.60	J	I		10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iron, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<3.90	JU	I	4	10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B

**ESH-EMS-990521**

Well LFW 23R collected on 06/02/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
1	Gross alpha	8.79E-09±1.46E-09				8.80E-10	µCi/mL	TM	EPA900.0M
0	Tritium	1.30E-06±3.70E-07				5.00E-07	µCi/mL	TM	EPA906.0M

**WELL LFW 28**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/05/99  
 Depth to water: 29.82 ft (9.09 m) below TOC  
 Water elevation: 162.58 ft (49.55 m) msl  
 pH: 5  
 Sp. conductance: 38 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 38 gal

Time: 10:09  
 Water temperature: 21.8°C  
 Air temperature: 18°C  
 Total alkalinity (as CaCO3): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.450	U			0.450	µg/L	WA	EPA7470A
0	Mercury, total recoverable	<0.450	U			0.450	µg/L	WA	EPA7470A

**WELL LFW 30**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/05/99  
 Depth to water: 44.96 ft (13.7 m) below TOC  
 Water elevation: 165.04 ft (50.3 m) msl  
 pH: 4.7  
 Sp. conductance: 29 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 46 gal

Time: 10:42  
 Water temperature: 21°C  
 Air temperature: 18.5°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.450	U			0.450	µg/L	WA	EPA7470A

**WELL LFW 31**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/07/99  
 Depth to water: 64.81 ft (19.75 m) below TOC  
 Water elevation: 164.49 ft (50.14 m) msl  
 pH: 4.8  
 Sp. conductance: 30 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 58 gal

Time: 11:42  
 Water temperature: 19.1°C  
 Air temperature: 33.6°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	5.00	J	I		10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B

Well LFW 31 collected on 06/07/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iron, total recoverable	15.0	J	I		200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Thallium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
2	Trichlorofluoromethane	26.0	U			5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Gross alpha	3.97E-09±1.03E-09				8.80E-10	µCi/mL	TM	EPA900.0M
0	Tritium	1.07E-06±3.80E-07	J	I		5.50E-07	µCi/mL	TM	EPA906.0M

## WELL LFW 36R

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/02/99  
 Depth to water: 22.98 ft (7 m) below TOC  
 Water elevation: 143.22 ft (43.65 m) msl  
 pH: 6.6  
 Sp. conductance: 140 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 28 gal

Time: 9:20  
 Water temperature: 20°C  
 Air temperature: 30.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 62 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<5.70	U	V		10.0	µg/L	EX	EPA6010B

ESH-EMS-990521

Well LFW 36R collected on 06/02/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Barium, total recoverable	2.00	J	I		10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromofom	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	3.70	J	I		5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
2	Chloroethene (Vinyl chloride)	10.0	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	7.10	U			5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	2.90	J	I		5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
2	Iron, total recoverable	27.000	U			200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Gross alpha	1.65E-09±8.40E-10	J	I		1.05E-09	µCi/mL	TM	EPA900.0M
0	Tritium	1.77E-06±3.90E-07	U			5.00E-07	µCi/mL	TM	EPA906.0M

B-164

Second Quarter 1999

## WELL LFW 41R

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/01/99  
 Depth to water: 27.8 ft (8.47 m) below TOC  
 Water elevation: 141.9 ft (43.25 m) msl  
 pH: 4.7  
 Sp. conductance: 21 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 34 gal

Time: 9:24  
 Water temperature: 20.8°C  
 Air temperature: 29.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	4.10	J	I		10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iron, total recoverable	5.80	J	I		200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	4.50	J	I		5.00	µg/L	EX	EPA8260B

ESH-EMS-990521

Well LFW 41R collected on 06/01/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Gross alpha	2.62E-09±9.50E-10	J	I		1.14E-09	µCi/mL	TM	EPA906.0M
0	Tritium	1.25E-06±3.90E-07	J	I		5.50E-07	µCi/mL	TM	EPA906.0M
0	Tritium	1.10E-06±3.80E-07	J	I		5.40E-07	µCi/mL	TM	EPA906.0M

## WELL LFW 43B

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/01/99  
 Depth to water: 37.83 ft (11.53 m) below TOC  
 Water elevation: 165.17 ft (50.34 m) msl  
 pH: 4.8  
 Sp. conductance: 12 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 114 gal

Time: 15:47  
 Water temperature: 20.8°C  
 Air temperature: 37.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	JU	L	O	10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	JU	L	O	500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	JU	L	O	50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	JU	L	O	50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	JU	L	O	10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	3.60	J	I		10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	JU	L	O	10.0	µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	JU	L	O	50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	JU	L	O	20.0	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	Iron, total recoverable	6.10	J	I		200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	JU	L	O	500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	JU	L	O	10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	JU	L	O	50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	JU	L	O	200	µg/L	EX	EPA8260B
0	Propionitrile	<500	JU	L	O	500	µg/L	EX	EPA8260B

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Second Quarter 1999

Well LFW 43B collected on 06/01/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	JU	L	O	5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	JU	L	O	20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	JU	L	O	10.0	µg/L	EX	EPA8260B
0	Gross alpha	3.41E-09±8.30E-10	J	I		7.30E-10	µCi/mL	TM	EPA900.0M
0	Tritium	8.80E-07±3.60E-07	J	I		5.40E-07	µCi/mL	TM	EPA906.0M

**WELL LFW 43C**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/01/99  
 Depth to water: 37.42 ft (11.41 m) below TOC  
 Water elevation: 165.18 ft (50.35 m) msl  
 pH: 4.6  
 Sp. conductance: 9 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 68 gal

Time: 14:18  
 Water temperature: 20.2°C  
 Air temperature: 35.9°C  
 Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	4.20	J	I		10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B

**ESH-EMS-990521**

Well LFW 43C collected on 06/01/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Iron, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Gross alpha	1.62E-09±6.30E-10	J	I		7.30E-10	µCi/mL	TM	EPA900.0M
0	Tritium	6.80E-07±3.50E-07	J	I		5.40E-07	µCi/mL	TM	EPA906.0M

**WELL LFW 43D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/01/99  
 Depth to water: 37.37 ft (11.39 m) below TOC  
 Water elevation: 165.53 ft (50.45 m) msl  
 pH: 4.9  
 Sp. conductance: 8 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 53 gal

Time: 15:21  
 Water temperature: 19.6°C  
 Air temperature: 35.8°C  
 Total alkalinity (as CaCO3): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<3.60	JU	I	4	10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	7.50	J	I		10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<5.00	U			5.00	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B

**B-166**

**Second Quarter 1999**

**ANALYTICAL RESULTS**

Well LFW 43D collected on 06/01/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iron, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Gross alpha	1.60E-09±6.20E-10	J	I		7.10E-10	µCi/mL	TM	EPA900.0M
0	Gross alpha	1.80E-09±8.00E-10	J	I		9.80E-10	µCi/mL	TM	EPA900.0M
0	Tritium	1.02E-06±3.70E-07	J	I		5.30E-07	µCi/mL	TM	EPA906.0M

**WELL LFW 45D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/02/99  
 Depth to water: 14.78 ft (4.5 m) below TOC  
 Water elevation: 151.52 ft (46.18 m) msl  
 pH: 4.7  
 Sp. conductance: 39 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 53 gal

Time: 8:47  
 Water temperature: 22.2°C  
 Air temperature: 27.7°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	17.0	U			10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B

**ESH-EMS-990521**

Well LFW 45D collected on 06/02/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,2-Dibromoethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iron, total recoverable	28.0	J	I		200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
1	Mercury, total recoverable	1.34	U			0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
2	Trichlorofluoromethane	22.0	U			5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Gross alpha	5.44E-09±1.20E-09	J	I		9.10E-10	µCi/mL	TM	EPA900.0M
0	Tritium	1.03E-06±3.60E-07	J	I		5.10E-07	µCi/mL	TM	EPA906.0M

**WELL LFW 47D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/02/99  
 Depth to water: 13.17 ft (4.01 m) below TOC  
 Water elevation: 148.53 ft (45.27 m) msl  
 pH: 5  
 Sp. conductance: 61 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 41 gal

Time: 10:08  
 Water temperature: 21.1°C  
 Air temperature: 25°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U		X	500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	27.0	U			10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U		X	5.00	µg/L	EX	EPA8260B

**B-167**

**Second Quarter 1999**

Well LFW 47D collected on 06/02/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon tetrachloride	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U		X	10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U		X	20.0	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U		X	1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Iron, total recoverable	14.0	J	I		200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U		X	1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		X	0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U		X	500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U		X	200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U		X	500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U		X	20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Gross alpha	8.20E-10±6.20E-10	U			9.00E-10	µCi/mL	TM	EPA900.0M
0	Tritium	1.51E-06±3.90E-07	U			5.10E-07	µCi/mL	TM	EPA906.0M

## WELL LFW 56D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/01/99  
 Depth to water: 13.4 ft (4.08 m) below TOC  
 Water elevation: 144.7 ft (44.11 m) msl  
 pH: 5.1  
 Sp. conductance: 25 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 62 gal

Time: 11:51  
 Water temperature: 21°C  
 Air temperature: 26.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B

ESH-EMS-990521

Well LFW 56D collected on 06/01/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	7.70	J	I		10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
1	Iron, total recoverable	160	J	I		200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Gross alpha	1.92E-09±6.70E-10	J	I		7.20E-10	µCi/mL	TM	EPA900.0M
0	Tritium	1.22E-06±3.90E-07	J	I		5.40E-07	µCi/mL	TM	EPA906.0M

B-168

Second Quarter 1999

**ANALYTICAL RESULTS**

**WELL LFW 58D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/02/99  
 Depth to water: 26.49 ft (8.07 m) below TOC  
 Water elevation: 141.11 ft (43.01 m) msl  
 pH: 6  
 Sp. conductivity: 300 µS/cm  
 Turbidity: 3 NTU  
 Water evacuated from the well prior to sampling: 150 gal

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U		X	500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U		X	200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<6.30	U		X	6.30	µg/L	EX	EPA6010B
2	Barium, total recoverable	4.00	J			10.0	µg/L	EX	EPA6010B
0	Benzene	6.20	U		X	5.00	µg/L	EX	EPA8260B
0	Bromochloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U		X	10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	13.0	U		X	5.00	µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U		X	10.0	µg/L	EX	EPA8260B
2	Chloroform	28.0	U		X	5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chloroprene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U		X	10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	2.10	U		X	5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	66.0	U		X	5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	110	U		X	5.00	µg/L	EX	EPA8260B
2	trans-1,4-Dichloro-2-butene	<20.0	J			20.0	µg/L	EX	EPA8260B
1	Dichlorodifluoromethane	18.0	U		X	5.00	µg/L	EX	EPA8260B
1	1,1-Dichloroethane	52.0	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	15.0	U		X	5.00	µg/L	EX	EPA8260B
0	Dichloromethane	3.20	U		X	5.00	µg/L	EX	EPA8260B
1	1,2-Dichloropropane	<5.00	J			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1.000	U		X	1.000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	36.000	U		X	200	µg/L	EX	EPA8260B
2	Iron, total recoverable	<1,500	J			1,500	µg/L	EX	EPA8260B
0	Isobutyl alcohol	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Lead, total recoverable	<0.500	U		X	0.500	µg/L	EX	EPA8260B
0	Mercury, total recoverable	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Methacrylonitrile	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<200	U		X	200	µg/L	EX	EPA8260B
0	Pentachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Propionitrile	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<4.20	J			4.20	µg/L	EX	EPA8260B
0	Silver, total recoverable	<20.0	U		X	20.0	µg/L	EX	EPA8260B
0	Styrene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Toluene	1.80	J			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
1	Trichloroethylene	6.90	U		X	5.00	µg/L	EX	EPA8260B
2	Trichlorofluoromethane	19.0	J			5.00	µg/L	EX	EPA8260B

**ESH-EMS-990521**

**B-169**

Well LFW 58D collected on 06/02/99 (cont.)

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/07/99  
 Depth to water: 25.73 ft (7.84 m) below TOC  
 Water elevation: 141.87 ft (43.24 m) msl  
 pH: 4.7  
 Sp. conductivity: 50 µS/cm  
 Turbidity: 3 NTU  
 Water evacuated from the well prior to sampling: 75 gal

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U		X	500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U		X	200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U		X	10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	1.10	J			10.0	µg/L	EX	EPA6010B
0	Benzene	1.70	J			5.00	µg/L	EX	EPA8260B
0	Bromochloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U		X	10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chloroprene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U		X	10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U		X	20.0	µg/L	EX	EPA8260B
2	Dichlorodifluoromethane	23.0	U		X	5.00	µg/L	EX	EPA8260B
1	1,1-Dichloroethane	38.0	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1.000	U		X	1.000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	39.0	U		X	200	µg/L	EX	EPA8260B
0	Iron, total recoverable	<1,500	J			1,500	µg/L	EX	EPA8260B
0	Isobutyl alcohol	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Lead, total recoverable	<0.500	U		X	0.500	µg/L	EX	EPA8260B
0	Mercury, total recoverable	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Methacrylonitrile	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<200	U		X	200	µg/L	EX	EPA8260B
0	Pentachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Propionitrile	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<4.20	J			4.20	µg/L	EX	EPA8260B
0	Silver, total recoverable	<20.0	U		X	20.0	µg/L	EX	EPA8260B
0	Styrene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Toluene	1.80	J			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
1	Trichloroethylene	6.90	U		X	5.00	µg/L	EX	EPA8260B
2	Trichlorofluoromethane	19.0	J			5.00	µg/L	EX	EPA8260B

**Second Quarter 1999**

Well LFW 59D collected on 06/07/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method	F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B	0 Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B	2 Iron, total recoverable	81.000	U			200	µg/L	EX	EPA6010B
0 1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B	0 Isobutyl alcohol	<1.500	U			1.500	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B	0 Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
2 Tetrachloroethylene	8.70	U			5.00	µg/L	EX	EPA8260B	0 Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0 Thallium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B	0 Methylacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B	0 Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	3.30	J	I		5.00	µg/L	EX	EPA8260B	0 Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B	0 Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
2 Trichloroethylene	11.0	U			5.00	µg/L	EX	EPA8260B	0 Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
2 Trichlorofluoromethane	32.0	U			5.00	µg/L	EX	EPA8260B	0 Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0 1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B	0 Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B	0 Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0 Xylenes	3.60	J	I		10.0	µg/L	EX	EPA8260B	0 Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Gross alpha	1.94E-09±8.20E-10	J	I		9.40E-10	µCi/mL	TM	EPA900.0M	0 1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Tritium	4.04E-06±5.30E-07	J			5.50E-07	µCi/mL	TM	EPA906.0M	0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
									0 Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
									0 Toluene	2.00	J	I		5.00	µg/L	EX	EPA8260B
									0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
									0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
									1 Trichloroethylene	3.20	J	I		5.00	µg/L	EX	EPA8260B
									0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
									0 1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
									0 Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
									0 Xylenes	4.10	J	I		10.0	µg/L	EX	EPA8260B
									0 Gross alpha	1.80E-09±1.18E-09	J	I		1.68E-09	µCi/mL	TM	EPA900.0M
									0 Tritium	6.27E-06±6.20E-07	J			5.50E-07	µCi/mL	TM	EPA906.0M

## WELL LFW 60C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/01/99  
 Depth to water: 19.97 ft (6.09 m) below TOC  
 Water elevation: 137.23 ft (41.83 m) msl  
 pH: 6.4  
 Sp. conductance: 420 µS/cm  
 Turbidity: 6 NTU  
 Water evacuated from the well prior to sampling: 27 gal

Time: 11:07  
 Water temperature: 21.9°C  
 Air temperature: 27.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 170 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acetone	44.0				10.0	µg/L	EX	EPA8260B
0 Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0 Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0 Arsenic, total recoverable	5.40	J	I		10.0	µg/L	EX	EPA6010B
0 Barium, total recoverable	15.0	U			10.0	µg/L	EX	EPA6010B
0 Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chlorobenzene	4.30	J	I		5.00	µg/L	EX	EPA8260B
0 Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
2 Chloroethane (Vinyl chloride)	9.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dibromoethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
2 1,3-Dichlorobenzene	13.0	U			5.00	µg/L	EX	EPA8260B
0 1,4-Dichlorobenzene	15.0	U			5.00	µg/L	EX	EPA8260B
0 trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0 Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
1 1,1-Dichloroethane	18.0	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,2-Dichloroethylene	8.20	U			5.00	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0 Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	1.10	J	I		5.00	µg/L	EX	EPA8260B
0 2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B

Well LFW 60C collected on 06/01/99 (cont.)

ESH-EMS-990521

## WELL LFW 60D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/07/99  
 Depth to water: 19.54 ft (5.96 m) below TOC  
 Water elevation: 137.56 ft (41.93 m) msl  
 pH: 4.8  
 Sp. conductance: 36 µS/cm  
 Turbidity: 5 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 12:28  
 Water temperature: 23.6°C  
 Air temperature: 35.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0 Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0 Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Barium, total recoverable	14.0	U			10.0	µg/L	EX	EPA6010B
0 Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dibromoethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,4-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0 Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
1 1,1-Dichloroethane	14.0	U			5.00	µg/L	EX	EPA8260B

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Second Quarter 1999

**ANALYTICAL RESULTS**

Well LFW 60D collected on 06/07/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	6.50	U			5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
1	Iron, total recoverable	160	J	I		200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	4.00	J	I		10.0	µg/L	EX	EPA6010B
2	Mercury, total recoverable	3.24	U			0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Thallium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
1	Trichloroethylene	2.70	J	I		5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Gross alpha	7.90E-10±6.10E-10	U			8.90E-10	µCi/mL	TM	EPA900.0M
0	Tritium	3.02E-06±4.90E-07	U			5.60E-07	µCi/mL	TM	EPA906.0M

**WELL LFW 61D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/07/99  
 Depth to water: 26.03 ft (7.93 m) below TOC  
 Water elevation: 142.27 ft (43.36 m) msf  
 pH: 6.2  
 Sp. conductance: 290 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 65 gal

Time: 10:55  
 Water temperature: 20.9°C  
 Air temperature: 31.3°C  
 Total alkalinity (as CaCO3): 108 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	150	U			10.0	µg/L	EX	EPA8260B
0	Acetone	176	U			10.0	µg/L	WA	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<20.0	U			20.0	µg/L	WA	EPA8260B
0	Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Acrolein	<20.0	U			20.0	µg/L	WA	EPA8260B
0	Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
2	Aluminum, total recoverable	272	U			146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	11.0	U			10.0	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	12.6	J	I		10.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	5.00	J	I		10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	<3.90	J	V		1.80	µg/L	WA	EPA6010B
0	Benzene	2.40	J	I		5.00	µg/L	EX	EPA8260B
0	Benzene	1.96	J	I		5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B

**ESH-EMS-990521**

Well LFW 61D collected on 06/07/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon disulfide	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chloroprene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Chromium, total recoverable	8.40	U			7.00	µg/L	WA	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dibromoethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	4.30	J	I		5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	3.14	J	I		5.00	µg/L	WA	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	WA	EPA8260B
2	Dichlorodifluoromethane	47.0	U			5.00	µg/L	EX	EPA8260B
2	Dichlorodifluoromethane	25.2	U			10.0	µg/L	WA	EPA8260B
2	1,1-Dichloroethane	65.0	U			5.00	µg/L	EX	EPA8260B
2	1,1-Dichloroethane	62.5	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	1.08	J	I		5.00	µg/L	WA	EPA8260B
0	cis-1,2-Dichloroethylene	1.40	J	I		5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	2.30	J	I		5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
1	1,2-Dichloropropane	2.60	J	I		5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	2.00	J	I		5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	42.0	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	39.9	U			5.00	µg/L	WA	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	WA	EPA8260B
2	Iron, total recoverable	73,000	U			200	µg/L	EX	EPA6010B
2	Iron, total recoverable	67,900	U			74.0	µg/L	WA	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Isobutyl alcohol	<100	U			100	µg/L	WA	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0	Methacrylonitrile	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Methyl ethyl ketone	200	U			10.0	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<5.00	R	L	L	10.0	µg/L	WA	EPA8260B
0	Methyl isobutyl ketone	228	U			20.0	µg/L	WA	EPA8260B
0	Methyl isobutyl ketone	140	U			5.00	µg/L	EX	EPA8260B

**B-171**

Well LFW 61D collected on 06/07/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Methyl isobutyl ketone	162				10.0	µg/L	WA	EPA8260B
0	Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0	Propionitrile	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Styrene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
2	Tetrachloroethylene	5.50				5.00	µg/L	EX	EPA8260B
1	Tetrachloroethylene	4.64	J	I		5.00	µg/L	WA	EPA8260B
0	Thallium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Toluene	16.0				5.00	µg/L	WA	EPA8260B
0	Toluene	16.3				5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	3.00	J	I		5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	2.95	J	I		5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
2	Trichloroethylene	17.0				5.00	µg/L	EX	EPA8260B
2	Trichloroethylene	16.5				5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Vinyl acetate	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Xylenes	140				10.0	µg/L	EX	EPA8260B
0	Xylenes	144				5.00	µg/L	WA	EPA8260B
0	Gross alpha	2.98E-09±1.00E-09				9.51E-10	µCi/mL	GP	EPIA-001
0	Gross alpha	2.45E-09±1.15E-09	J	I		1.38E-09	µCi/mL	TM	EPA900.0M
0	Tritium	2.91E-06±4.81E-07				6.34E-07	µCi/mL	GP	EPIA-002
0	Tritium	2.46E-06±4.60E-07				5.50E-07	µCi/mL	TM	EPA906.0M

## WELL LFW 61D Replicate

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/07/99  
 Depth to water: 26.03 ft (7.93 m) below TOC  
 Water elevation: 142.27 ft (43.36 m) msl  
 pH: 6.2  
 Sp. conductance: 290 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 85 gal

Time: 10:55  
 Water temperature: 20.9°C  
 Air temperature: 31.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 108 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	140				10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	12.0				10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	5.70	J	I		10.0	µg/L	EX	EPA6010B
0	Benzene	2.10	J	I		5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B

ESH-EMS-990521

Well LFW 61D collected on 06/07/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	4.90	J	I		5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
2	Dichlorodifluoromethane	45.0				5.00	µg/L	EX	EPA8260B
2	1,1-Dichloroethane	66.0				5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	1.50	J	I		5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	2.10	J	I		5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	2.20	J	I		5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	40.0				5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
2	Iron, total recoverable	78,000				200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	220				10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	140				5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
2	Tetrachloroethylene	5.10				5.00	µg/L	EX	EPA8260B
0	Thallium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Toluene	15.0				5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	2.70	J	I		5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
2	Trichloroethylene	17.0				5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	140				10.0	µg/L	EX	EPA8260B
0	Gross alpha	3.61E-09±1.45E-09	J	I		1.62E-09	µCi/mL	TM	EPA900.0M
0	Tritium	2.57E-06±4.70E-07				5.60E-07	µCi/mL	TM	EPA906.0M

## WELL LFW 62D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/07/99  
 Depth to water: 22.76 ft (6.94 m) below TOC  
 Water elevation: 142.04 ft (43.29 m) msl  
 pH: 5.2  
 Sp. conductance: 190 µS/cm  
 Turbidity: 13 NTU  
 Water evacuated from the well prior to sampling: 5 gal  
 The well went dry during purging.

Time: 12:10  
 Water temperature: 24.1°C  
 Air temperature: 35°C  
 Total alkalinity (as CaCO<sub>3</sub>): 20 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
2	Aluminum, total recoverable	110	J	I		200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	6.10	J	I		10.0	µg/L	EX	EPA6010B
2	Benzene	16.0				5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B

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Second Quarter 1999

Well LFW 62D collected on 06/07/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	24.0	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
2	Chloroethene (Vinyl chloride)	31.0	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
2	1,4-Dichlorobenzene	110	U			5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
2	1,1-Dichloroethane	78.0	U			5.00	µg/L	EX	EPA8260B
1	1,2-Dichloroethane	4.90	J	I		5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
1	cis-1,2-Dichloroethylene	45.0	U			5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
2	Dichloromethane	5.60	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	0.750	J	I		5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
2	Iron, total recoverable	7.300	U			200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	0.250	J	I		0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	1.90	J	I		5.00	µg/L	EX	EPA8260B
0	Thallium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Toluene	1.60	J	I		5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
2	Trichloroethylene	8.20	U			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	9.10	J	I		10.0	µg/L	EX	EPA8260B
0	Gross alpha	4.69E-09±1.40E-09	U			1.53E-09	µCi/mL	TM	EPA900.0M
1	Tritium	1.08E-05±7.70E-07	U			5.60E-07	µCi/mL	TM	EPA906.0M

**WELL LFW 63B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/01/99  
 Depth to water: 28.42 ft (8.66 m) below TOC  
 Water elevation: 139.38 ft (42.48 m) msl  
 pH: 4  
 Sp. conductance: 58 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 39 gal

Time: 11:32  
 Water temperature: 20.2°C  
 Air temperature: 30.7°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

Well LFW 63B collected on 06/01/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
2	Aluminum, total recoverable	470	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	6.50	J	I		10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
2	Iron, total recoverable	28.0	J	I		200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	0.500	J	I		0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Gross alpha	5.93E-09±1.07E-09	U			7.60E-10	µCi/mL	TM	EPA900.0M
0	Tritium	4.00E-07±3.40E-07	U			5.60E-07	µCi/mL	TM	EPA906.0M

## WELL LFW 63C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/01/99  
 Depth to water: 28.76 ft (8.77 m) below TOC  
 Water elevation: 139.34 ft (42.47 m) msl  
 pH: 4.2  
 Sp. conductance: 30 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 40 gal

Time: 10:31  
 Water temperature: 20°C  
 Air temperature: 27.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
2	Aluminum, total recoverable	110	J	I		200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	4.50	J	I		10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromothane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iron, total recoverable	6.30	J	I		200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA6010B

ESH-EMS-990521

Well LFW 63C collected on 06/01/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Gross alpha	3.84E-09±8.80E-10				7.40E-10	µCi/mL	TM	EPA900.0M
0	Tritium	1.05E-06±3.70E-07	J	I		5.40E-07	µCi/mL	TM	EPA906.0M

## WELL LFW 63D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/07/99  
 Depth to water: 28.67 ft (8.74 m) below TOC  
 Water elevation: 139.63 ft (42.56 m) msl  
 pH: 4.9  
 Sp. conductance: 44 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 12 gal

Time: 9:30  
 Water temperature: 19°C  
 Air temperature: 26.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	5.40	J	I		10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	4.40	J	I		5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
2	Chloroethene (Vinyl chloride)	13.0				5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromothane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	11.0	J	I		5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
1	1,1-Dichloroethane	17.0				5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
1	Dichloromethane	3.10	J	I		5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
2	Iron, total recoverable	770				200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B

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Second Quarter 1999

**ANALYTICAL RESULTS**

Well LFW 63D collected on 06/07/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Thallium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Toluene	0.950	J			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	1.90	J			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	1.50	J			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	8.90	U			5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Gross alpha	1.88E-09±8.20E-10	J			9.60E-10	µCi/mL	TM	EPA900.0M
0	Tritium	2.29E-06±4.60E-07	U			5.80E-07	µCi/mL	TM	EPA906.0M

**WELL LFW 64C**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/01/99  
 Depth to water: 12.78 ft (3.9 m) below TOC  
 Water elevation: 139.42 ft (42.5 m) msl  
 pH: 3.7  
 Sp. conductance: 69 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 34 gal

Time: 12:22  
 Water temperature: 19.4°C  
 Air temperature: 29.2°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
2	Aluminum, total recoverable	890	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	7.40	J			10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B

**ESH-EMS-990521**

Well LFW 64C collected on 06/01/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Iron, total recoverable	9.40	J			200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
1	Gross alpha	1.35E-08±1.57E-09	J			7.70E-10	µCi/mL	TM	EPA900.0M
0	Tritium	1.10E-06±3.80E-07	J			5.40E-07	µCi/mL	TM	EPA906.0M

**WELL LFW 64D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/02/99  
 Depth to water: 12.73 ft (3.88 m) below TOC  
 Water elevation: 139.47 ft (42.51 m) msl  
 pH: 5.5  
 Sp. conductance: 44 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 31 gal

Time: 11:37  
 Water temperature: 18.1°C  
 Air temperature: 29.4°C  
 Total alkalinity (as CaCO3): 10 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U		X	500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	7.20	J			10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	1.70	U		X	5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U		X	10.0	µg/L	EX	EPA8260B
2	Chloroethane (Vinyl chloride)	6.30	J		X	5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	5.90	U		X	5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U		X	20.0	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	1.90	J		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	3.00	J		X	5.00	µg/L	EX	EPA8260B

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**Second Quarter 1999**

Well LFW 64D collected on 06/02/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	trans-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U		X	1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Iron, total recoverable	31.0	J	I		200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U		X	1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U		X	10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		X	0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U		X	500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U		X	200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U		X	500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U		X	10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U		X	20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U		X	20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Gross alpha	5.20E-10±5.60E-10	U			9.00E-10	µCi/mL	TM	EPA900.0M
0	Tritium	3.87E-06±5.20E-07	U			5.30E-07	µCi/mL	TM	EPA906.0M

**WELL LFW 65B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/01/99  
 Depth to water: 11.05 ft (3.37 m) below TOC  
 Water elevation: 137.15 ft (41.8 m) msl  
 pH: 4.5  
 Sp. conductance: 49 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 36 gal

Time: 13:16  
 Water temperature: 21.9°C  
 Air temperature: 28.3°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
2	Aluminum, total recoverable	280	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	8.10	J	I		10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U			5.00	µg/L	EX	EPA8260B

**ESH-EMS-990521**

Well LFW 65B collected on 06/01/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iron, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Gross alpha	4.73E-09±9.70E-10	U			7.60E-10	µCi/mL	TM	EPA900.0M
0	Tritium	-1.00E-08±3.00E-07	U			5.40E-07	µCi/mL	TM	EPA906.0M

**WELL LFW 65C**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/01/99  
 Depth to water: 11.11 ft (3.39 m) below TOC  
 Water elevation: 137.09 ft (41.79 m) msl  
 pH: 4.8  
 Sp. conductance: 31 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 24 gal

Time: 12:45  
 Water temperature: 21.9°C  
 Air temperature: 28.4°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	9.70	J	I		10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B

**B-176**

**Second Quarter 1999**

**ANALYTICAL RESULTS**

Well LFW 65C collected on 06/01/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.00	U			10.00	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.00	U			50.00	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.00	U			10.00	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.00	U			20.00	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iron, total recoverable	4.40	J	I		200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.00	U			10.00	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA8260B
0	Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.00	U			10.00	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.00	U			50.00	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.00	U			10.00	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.00	U			20.00	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.00	U			20.00	µg/L	EX	EPA8260B
0	Xylenes	<10.00	U			10.00	µg/L	EX	EPA8260B
0	Gross alpha	1.53E-09±6.30E-10	J	I		7.40E-10	µCi/mL	TM	EPA900.0M
0	Tritium	7.20E-07±3.50E-07	J	I		5.40E-07	µCi/mL	TM	EPA906.0M

Well LFW 65D collected on 06/02/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.00	U			10.00	µg/L	EX	EPA6010B
0	Barium, total recoverable	4.00	J	I		10.00	µg/L	EX	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.00	U			10.00	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.00	U			10.00	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.00	U			50.00	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.00	U			10.00	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.00	U			20.00	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
1	1,1-Dichloroethane	14.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	4.30	J	I		5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iron, total recoverable	5.40	J	I		200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.00	U			10.00	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA8260B
0	Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.00	U			10.00	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.00	U			50.00	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.00	U			10.00	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.00	U			20.00	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.00	U			20.00	µg/L	EX	EPA8260B
0	Xylenes	<10.00	U			10.00	µg/L	EX	EPA8260B
0	Gross alpha	5.70E-10±5.60E-10	U			8.90E-10	µCi/mL	TM	EPA900.0M
0	Tritium	2.57E-06±4.60E-07	U			5.30E-07	µCi/mL	TM	EPA906.0M

**WELL LFW 65D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/02/99  
 Depth to water: 11.3 ft (3.44 m) below TOC  
 Water elevation: 137.1 ft (41.79 m) msl  
 pH: 4.9  
 Sp. conductance: 28 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 10 gal

Time: 12:28  
 Water temperature: 18.2°C  
 Air temperature: 31.2°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.00	U			10.00	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0	Acrolein	<50.00	U			50.00	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.00	U			50.00	µg/L	EX	EPA8260B
0	Allyl chloride	<10.00	U			10.00	µg/L	EX	EPA8260B

**ESH-EMS-990521**

## WELL LFW 67B

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/01/99  
 Depth to water: 19.62 ft (5.98 m) below TOC  
 Water elevation: 138.08 ft (42.09 m) msl  
 pH: 3.7  
 Sp. conductance: 51 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 45 gal

Time: 13:15  
 Water temperature: 20.3°C  
 Air temperature: 29.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0 Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
2 Aluminum, total recoverable	360				200	µg/L	EX	EPA6010B
0 Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Barium, total recoverable	6.30	J	I		10.0	µg/L	EX	EPA6010B
0 Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dibromoethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,4-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0 Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0 Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Iron, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0 Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0 Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0 Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0 Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0 Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0 Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0 Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B

ESH-EMS-990521

Well LFW 67B collected on 06/01/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0 Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
1 Gross alpha	8.00E-09±1.44E-09				1.01E-09	µCi/mL	EX	EPA900.0M
0 Tritium	7.50E-07±3.60E-07	J	I		5.50E-07	µCi/mL	TM	EPA906.0M

## WELL LFW 67C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/02/99  
 Depth to water: 19.5 ft (5.94 m) below TOC  
 Water elevation: 137.6 ft (41.94 m) msl  
 pH: 6.4  
 Sp. conductance: 400 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 42 gal

Time: 13:33  
 Water temperature: 19.9°C  
 Air temperature: 31.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 145 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method	
0 Acetone	<10.0	U			X 10.0	µg/L	EX	EPA8260B	
0 Acetonitrile (Methyl cyanide)	<500	U			X 500	µg/L	EX	EPA8260B	
0 Acrolein	<50.0	U			X 50.0	µg/L	EX	EPA8260B	
0 Acrylonitrile	<50.0	U			X 50.0	µg/L	EX	EPA8260B	
0 Allyl chloride	<10.0	U			X 10.0	µg/L	EX	EPA8260B	
0 Aluminum, total recoverable	<200	U			X 200	µg/L	EX	EPA6010B	
1 Arsenic, total recoverable	33.0				X 10.0	µg/L	EX	EPA6010B	
0 Barium, total recoverable	8.90	J	I		X 10.0	µg/L	EX	EPA6010B	
2 Benzene	5.60				X 5.00	µg/L	EX	EPA8260B	
0 Bromodichloromethane	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
0 Bromoform	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
0 Bromomethane	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
0 Cadmium, total recoverable	<10.0	U			X 10.0	µg/L	EX	EPA6010B	
0 Carbon disulfide	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
0 Carbon tetrachloride	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
0 Chlorobenzene	1.10	J	I		X 5.00	µg/L	EX	EPA8260B	
0 Chloroethane	<10.0	U			X 10.0	µg/L	EX	EPA8260B	
2 Chloroethane (Vinyl chloride)	200				X 5.00	µg/L	EX	EPA8260B	
0 Chloroform	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
0 Chloromethane	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
0 Chloroprene	<50.0	U			X 50.0	µg/L	EX	EPA8260B	
0 Chromium, total recoverable	<10.0	U			X 10.0	µg/L	EX	EPA6010B	
0 Dibromochloromethane	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
0 1,2-Dibromo-3-chloropropane	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
0 1,2-Dibromoethane	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
0 Dibromomethane	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
0 1,2-Dichlorobenzene	0.960	J	I		X 5.00	µg/L	EX	EPA8260B	
0 1,3-Dichlorobenzene	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
1 1,4-Dichlorobenzene	40.0				X 5.00	µg/L	EX	EPA8260B	
0 trans-1,4-Dichloro-2-butene	<20.0	U			X 20.0	µg/L	EX	EPA8260B	
0 Dichlorodifluoromethane	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
2 1,1-Dichloroethane	77.0				X 5.00	µg/L	EX	EPA8260B	
0 1,2-Dichloroethane	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
0 1,1-Dichloroethylene	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
0 cis-1,2-Dichloroethylene	34.0				X 5.00	µg/L	EX	EPA8260B	
0 trans-1,2-Dichloroethylene	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
0 Dichloromethane	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
1 1,2-Dichloropropane	2.60	J	I		X 5.00	µg/L	EX	EPA8260B	
0 cis-1,3-Dichloropropene	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
0 trans-1,3-Dichloropropene	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
0 1,4-Dioxane	<1,000	U			X 1,000	µg/L	EX	EPA8260B	
0 Ethyl methacrylate	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
0 Ethylbenzene	28.0				X 5.00	µg/L	EX	EPA8260B	
0 2-Hexanone	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
0 Iodomethane (Methyl iodide)	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
2 Iron, total recoverable	46,000				X 200	µg/L	EX	EPA6010B	
0 Isobutyl alcohol	<1,500	U			X 1,500	µg/L	EX	EPA8260B	
0 Lead, total recoverable	<10.0	U			X 10.0	µg/L	EX	EPA6010B	
0 Mercury, total recoverable	<0.500	U			X 0.500	µg/L	EX	EPA7470A	
0 Methacrylonitrile	<500	U			X 500	µg/L	EX	EPA8260B	
0 Methyl ethyl ketone	<10.0	U			X 10.0	µg/L	EX	EPA8260B	
0 Methyl isobutyl ketone	<5.00	U			X 5.00	µg/L	EX	EPA8260B	
0 Methyl methacrylate	<50.0	U			X 50.0	µg/L	EX	EPA8260B	
0 Pentachloroethane	<200	U			X 200	µg/L	EX	EPA8260B	
0 Propionitrile	<500	U			X 500	µg/L	EX	EPA8260B	
0 Selenium, total recoverable	<4.90	JU	I		X 4	10.0	µg/L	EX	EPA6010B

B-178

Second Quarter 1999

**ANALYTICAL RESULTS**

Well LFW 67C collected on 06/02/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Toluene	39.0	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
1	Trichloroethylene	3.60	J	IK	CX	5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U		X	20.0	µg/L	EX	EPA8260B
0	Xylenes	50.0	U		X	10.0	µg/L	EX	EPA8260B
0	Gross alpha	2.90E-09±1.44E-09	J	I		1.78E-09	µCi/mL	TM	EPA900.0M
1	Tritium	1.90E-05±9.80E-07	J			5.20E-07	µCi/mL	TM	EPA906.0M

**WELL LFW 67D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/02/99  
 Depth to water: 17.9 ft (5.46 m) below TOC  
 Water elevation: 139.8 ft (42.61 m) msf  
 pH: 4.9  
 Sp. conductance: 77 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 18 gal

Time: 14:03  
 Water temperature: 18.6°C  
 Air temperature: 31.4°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<50.0	U		X	500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	9.70	J	I		10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U		X	20.0	µg/L	EX	EPA8260B
2	Dichlorodifluoromethane	33.0	J			5.00	µg/L	EX	EPA8260B
2	1,1-Dichloroethane	67.0	J			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
2	1,1-Dichloroethylene	7.10	J			5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	1.10	J	I		5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U		X	1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	0.730	J	I		5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Iron, total recoverable	30.0	J	I		200	µg/L	EX	EPA6010B

**ESH-EMS-990521**

Well LFW 67D collected on 06/02/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Isobutyl alcohol	<1,500	U		X	1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U		X	500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U		X	200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U		X	500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
2	Tetrachloroethylene	5.90	J		X	5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	10.0	U		X	5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
2	Trichloroethylene	17.0	J	K	CX	5.00	µg/L	EX	EPA8260B
1	Trichlorofluoromethane	14.0	J		X	5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U		X	20.0	µg/L	EX	EPA8260B
0	Xylenes	11.0	U		X	10.0	µg/L	EX	EPA8260B
0	Gross alpha	3.92E-09±1.08E-09	J			9.50E-10	µCi/mL	TM	EPA900.0M
0	Tritium	3.19E-06±4.80E-07	J			5.10E-07	µCi/mL	TM	EPA906.0M

**WELL LFW 68D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/02/99  
 Depth to water: 20.47 ft (6.24 m) below TOC  
 Water elevation: 140.93 ft (42.96 m) msf  
 pH: 4.7  
 Sp. conductance: 30 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 18 gal

Time: 9:41  
 Water temperature: 22.1°C  
 Air temperature: 25°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U		X	500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	4.20	J	I		10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U		X	20.0	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B

**B-179**

**Second Quarter 1999**

Well LFW 68D collected on 06/02/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Dichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,4-Dioxane	<1,000	U		X	1,000	µg/L	EX	EPA8260B
0 Ethyl methacrylate	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 2-Hexanone	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Iodomethane (Methyl iodide)	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Iron, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0 Isobutyl alcohol	<1,500	U		X	1,500	µg/L	EX	EPA8260B
0 Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0 Methacrylonitrile	<500	U		X	500	µg/L	EX	EPA8260B
0 Methyl ethyl ketone	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0 Methyl isobutyl ketone	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Methyl methacrylate	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 Pentachloroethane	<200	U		X	200	µg/L	EX	EPA8260B
0 Propionitrile	<500	U		X	500	µg/L	EX	EPA8260B
0 Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0 Styrene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1,1,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Toluene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Trichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,2,3-Trichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Vinyl acetate	<20.0	U		X	20.0	µg/L	EX	EPA8260B
0 Xylenes	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0 Gross alpha	6.90E-10±5.80E-10	U			8.80E-10	µCi/mL	TM	EPA900.0M
0 Tritium	1.42E-06±3.90E-07	U			5.20E-07	µCi/mL	TM	EPA906.0M

## WELL LFW 69C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/02/99  
 Depth to water: 8.9 ft (2.71 m) below TOC  
 Water elevation: 137.1 ft (41.79 m) msl  
 pH: 4.2  
 Sp. conductance: 58 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 32 gal

Time: 10:41  
 Water temperature: 21.3°C  
 Air temperature: 24.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acetone	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0 Acetonitrile (Methyl cyanide)	<500	U		X	500	µg/L	EX	EPA8260B
0 Acrolein	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 Acrylonitrile	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 Allyl chloride	<10.0	U		X	10.0	µg/L	EX	EPA8260B
2 Aluminum, total recoverable	570	U			200	µg/L	EX	EPA6010B
0 Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Barium, total recoverable	7.00	J	I		10.0	µg/L	EX	EPA6010B
0 Benzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Bromodichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Bromoform	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Bromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Carbon disulfide	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Chlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Chloroethane	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Chloroform	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Chloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Chloroprene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Dibromochloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,2-Dibromo-3-chloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,2-Dibromoethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Dibromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B

ESH-EMS-990521

Well LFW 69C collected on 06/02/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 1,2-Dichlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,3-Dichlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,4-Dichlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 trans-1,4-Dichloro-2-butene	<20.0	U		X	20.0	µg/L	EX	EPA8260B
0 Dichlorodifluoromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 cis-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Dichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,4-Dioxane	<1,000	U		X	1,000	µg/L	EX	EPA8260B
0 Ethyl methacrylate	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 2-Hexanone	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Iodomethane (Methyl iodide)	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Iron, total recoverable	4.10	J	I		200	µg/L	EX	EPA6010B
0 Isobutyl alcohol	<1,500	U		X	1,500	µg/L	EX	EPA8260B
0 Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0 Methacrylonitrile	<500	U		X	500	µg/L	EX	EPA8260B
0 Methyl ethyl ketone	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0 Methyl isobutyl ketone	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Methyl methacrylate	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 Pentachloroethane	<200	U		X	200	µg/L	EX	EPA8260B
0 Propionitrile	<500	U		X	500	µg/L	EX	EPA8260B
0 Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0 Styrene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1,1,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Toluene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Trichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,2,3-Trichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Vinyl acetate	<20.0	U		X	20.0	µg/L	EX	EPA8260B
0 Xylenes	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0 Gross alpha	7.26E-09±1.36E-09	J	I		9.00E-10	µCi/mL	TM	EPA900.0M
0 Tritium	6.60E-07±3.40E-07	J	I		5.30E-07	µCi/mL	TM	EPA906.0M

## WELL LFW 69D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/07/99  
 Depth to water: 9 ft (2.74 m) below TOC  
 Water elevation: 137.1 ft (41.79 m) msl  
 pH: 5.2  
 Sp. conductance: 53 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 16 gal

Time: 13:05  
 Water temperature: 18.6°C  
 Air temperature: 36.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acetone	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0 Acetonitrile (Methyl cyanide)	<500	U		X	500	µg/L	EX	EPA8260B
0 Acrolein	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 Acrylonitrile	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 Allyl chloride	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0 Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0 Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Barium, total recoverable	6.10	J	I		10.0	µg/L	EX	EPA6010B
0 Benzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Bromodichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Bromoform	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Bromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Carbon disulfide	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Chlorobenzene	4.60	J	I		5.00	µg/L	EX	EPA8260B

B-180

Second Quarter 1999

**ANALYTICAL RESULTS**

Well LFW 69D collected on 06/07/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
2	Chloroethene (Vinyl chloride)	21.0				5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	16.0				5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	6.00				5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	3.10	J	1		5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
2	Iron, total recoverable	370				200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Thallium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Gross alpha	5.00E-11±4.70E-10	U			9.30E-10	µCi/mL	TM	EPA900.0M
0	Tritium	7.60E-06±6.80E-07	U			5.70E-07	µCi/mL	TM	EPA906.0M

**WELL LFW 71B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/01/99  
 Depth to water: 10.1 ft (3.08 m) below TOC  
 Water elevation: 136.9 ft (41.73 m) msl  
 pH: 4.1  
 Sp. conductance: 49 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 34 gal

Time: 10:05  
 Water temperature: 21.5°C  
 Air temperature: 23.3°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

Well LFW 71B collected on 06/01/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	<10.0				200	µg/L	EX	EPA6010B
0	Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Barium, total recoverable	4.60	J	1		10.0	µg/L	EX	EPA6010B
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dibromoethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Iron, total recoverable	4.70	J	1		200	µg/L	EX	EPA6010B
0	Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0	Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Gross alpha	5.88E-09±1.06E-09	U			7.50E-10	µCi/mL	TM	EPA900.0M
0	Tritium	8.80E-07±3.50E-07	J	1		5.20E-07	µCi/mL	TM	EPA906.0M

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0	Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B

**ESH-EMS-990521**

**B-181**

**Second Quarter 1999**

## WELL LFW 71C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/01/99  
 Depth to water: 10.3 ft (3.14 m) below TOC  
 Water elevation: 136.9 ft (41.73 m) msl  
 pH: 4.6  
 Sp. conductance: 40 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 30 gal

Time: 9:29  
 Water temperature: 22.2°C  
 Air temperature: 22.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0 Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
2 Aluminum, total recoverable	110	J	I		200	µg/L	EX	EPA6010B
0 Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Barium, total recoverable	8.90	J	I		10.0	µg/L	EX	EPA6010B
0 Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Chloroethene (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroprene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,4-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0 Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0 Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Iron, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0 Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0 Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA8260B
0 Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0 Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0 Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0 Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0 Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B

ESH-EMS-990521

Well LFW 71C collected on 06/01/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0 Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Gross alpha	5.78E-09±1.04E-09				7.40E-10	µCi/mL	TM	EPA900.0M
0 Tritium	8.70E-07±3.60E-07	J	I		5.40E-07	µCi/mL	TM	EPA906.0M

## WELL LFW 71D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/01/99  
 Depth to water: 11.3 ft (3.44 m) below TOC  
 Water elevation: 136.1 ft (41.48 m) msl  
 pH: 5  
 Sp. conductance: 23 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 18 gal

Time: 9:00  
 Water temperature: 20.2°C  
 Air temperature: 19.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0 Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0 Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Barium, total recoverable	4.10	J	I		10.0	µg/L	EX	EPA6010B
0 Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Chloroethene (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroprene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,4-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0 Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0 Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Iron, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0 Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0 Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Mercury, total recoverable	0.341	J	I		0.500	µg/L	EX	EPA7470A
0 Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0 Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0 Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0 Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B

B-182

Second Quarter 1999

**ANALYTICAL RESULTS**

Well LFW 71D collected on 06/01/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Gross alpha	5.70E-10±4.80E-10	U			7.30E-10	µCi/mL	TM	EPA900.0M
0	Tritium	1.28E-06±3.90E-07	J	I		5.40E-07	µCi/mL	TM	EPA906.0M

**WELL P 26A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/03/99  
 Depth to water: 37.17 ft (11.33 m) below TOC  
 Water elevation: 116.83 ft (35.61 m) msl  
 pH: 4.9  
 Sp. conductance: 34 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 56 gal

Time: 14:58  
 Water temperature: 21.6°C  
 Air temperature: 30.2°C  
 Total alkalinity (as CaCO3): 4 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Barium, total recoverable	27.0	U			10.0	µg/L	EX	EPA6010B
0	Boron, total recoverable	9.49	J	I		100	µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
2	Iron, total recoverable	945	U			200	µg/L	EX	EPA6010B
2	Iron, total recoverable	945	U			200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Manganese, total recoverable	20.1	U			10.0	µg/L	EX	EPA6010B
0	Manganese, total recoverable	20.1	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	<100	JU	Q		100	µg/L	EX	EPA300.0
0	Nitrate as nitrogen	<100	JU	Q		100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Gross alpha	5.00E-11±5.10E-10	U			1.02E-09	µCi/mL	TM	EPA900.0M
0	Gross alpha	5.90E-10±6.30E-10	U			1.01E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.23E-09±1.03E-09	J	I		1.58E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.14E-09±9.60E-10	U			1.58E-09	µCi/mL	TM	EPA900.0M

**WELL P 26B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/04/99  
 Depth to water: 46.75 ft (14.25 m) below TOC  
 Water elevation: 107.35 ft (32.72 m) msl  
 pH: 5.8  
 Sp. conductance: 66 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 60 gal

Time: 9:38  
 Water temperature: 20.2°C  
 Air temperature: 19.6°C  
 Total alkalinity (as CaCO3): 20 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
2	Aluminum, total recoverable	183	U			146	µg/L	WA	EPA6010B
0	Barium, total recoverable	15.0	U			10.0	µg/L	EX	EPA6010B
0	Boron, total recoverable	8.90	J	I		100	µg/L	EX	EPA6010B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B

ESH-EMS-990521

Well P 26B collected on 05/04/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Iron, total recoverable	82.0	U			200	µg/L	WA	EPA6010B
1	Iron, total recoverable	299	J	I		74.0	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	EX	EPA6010B
0	Manganese, total recoverable	<8.90	U		6	10.0	µg/L	WA	EPA6010B
0	Manganese, total recoverable	20.7	U			7.80	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Mercury, total recoverable	<0.710	U			0.710	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	479	J	Q		100	µg/L	EX	EPA300.0
0	Nitrate as nitrogen	441	J	Q		20.0	µg/L	EX	EPA353.2
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Gross alpha	7.64E-10±4.78E-10	J	I		6.65E-10	µCi/mL	GP	EPIA-001
0	Gross alpha	6.40E-10±5.00E-10	U			6.90E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.06E-09±6.87E-10	U			1.39E-09	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	9.00E-10±8.50E-10	U			1.40E-09	µCi/mL	TM	EPA900.0M

**WELL P 26B Replicate**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/04/99  
 Depth to water: 46.75 ft (14.25 m) below TOC  
 Water elevation: 107.35 ft (32.72 m) msl  
 pH: 5.8  
 Sp. conductance: 66 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 60 gal

Time: 9:38  
 Water temperature: 20.2°C  
 Air temperature: 19.6°C  
 Total alkalinity (as CaCO3): 20 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Barium, total recoverable	15.0	U			10.0	µg/L	EX	EPA6010B
0	Boron, total recoverable	8.30	J	I		100	µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Iron, total recoverable	90.0	J	I		200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Manganese, total recoverable	<6.70	U		6	10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	483	J	Q		100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Gross alpha	7.80E-10±8.20E-10	U			1.34E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	8.80E-10±1.00E-09	U			1.67E-09	µCi/mL	TM	EPA900.0M

## WELL P 26D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/04/99  
 Depth to water: 37.45 ft (11.41 m) below TOC  
 Water elevation: 116.45 ft (35.49 m) msl  
 pH: 5.7  
 Sp. conductance: 33 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 30 gal

Time: 11:11  
 Water temperature: 20.4°C  
 Air temperature: 24.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 15 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0 Barium, total recoverable	12.0				10.0	µg/L	EX	EPA6010B
0 Boron, total recoverable	7.20	J	I		10.0	µg/L	EX	EPA6010B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Iron, total recoverable	<13.0	U	V		200	µg/L	EX	EPA6010B
0 Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Manganese, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0 Nitrate as nitrogen	542	J	Q		100	µg/L	EX	EPA300.0
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Gross alpha	5.50E-10±8.80E-10				1.52E-09	µCi/mL	TM	EPA900.0M
0 Gross alpha	8.00E-11±5.80E-10				1.16E-09	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	1.57E-09±1.25E-09	U			2.05E-09	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	4.60E-10±1.15E-09	U			1.98E-09	µCi/mL	TM	EPA900.0M

## WELL PBP 1D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/15/99  
 Depth to water: 38.89 ft (11.85 m) below TOC  
 Water elevation: 278.71 ft (84.95 m) msl  
 pH: 5.3  
 Sp. conductance: 43 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 8 gal

Time: 14:38  
 Water temperature: 23°C  
 Air temperature: 33°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<146	U			146	µg/L	WA	EPA6010B
0 Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0 Barium, total recoverable	12.3				1.80	µg/L	WA	EPA6010B
0 Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0 Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0 Calcium, total recoverable	692				471	µg/L	WA	EPA6010B
0 Chloride	3,330				210	µg/L	WA	EPA9056
0 Chromium, total recoverable	<1.60	U	V		7.00	µg/L	WA	EPA6010B
0 Fluoride	<26.6	U	V		40.0	µg/L	WA	EPA340.2
0 Iron, total recoverable	<30.0	U	V		74.0	µg/L	WA	EPA6010B
0 Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0 Lithium, total recoverable	1.20	J	I		2.70	µg/L	WA	EPA6010B
0 Magnesium, total recoverable	445				74.0	µg/L	WA	EPA6010B
0 Manganese, total recoverable	15.0				7.80	µg/L	WA	EPA6010B
0 Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0 Nitrate-nitrite as nitrogen	1,400				100	µg/L	WA	EPA353.2
0 Potassium, total recoverable	2,850				187	µg/L	WA	EPA6010B
0 Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0 Silica, total recoverable	6,640				1,350	µg/L	WA	EPA6010B
0 Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0 Sodium, total recoverable	3,160				285	µg/L	WA	EPA6010B
0 Sulfate	935				340	µg/L	WA	EPA9056
0 Total dissolved solids	14,000	J	I		50,000	µg/L	WA	EPA160.1
0 Total organic carbon	375	J	I		1,000	µg/L	WA	EPA9060
0 Total organic halogens	<120	U			120	µg/L	WA	EPA9020B

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Well PBP 1D collected on 06/15/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Total phosphates (as P)	<67.0	U			67.0	µg/L	WA	EPA385.2
0 Gross alpha	9.20E-10±5.50E-10	J	I		7.70E-10	µCi/mL	TM	EPA900.0M
0 Gross alpha	3.70E-10±4.60E-10	U			7.70E-10	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	1.67E-09±1.01E-09	J	I		1.63E-09	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	2.11E-09±1.03E-09	J	I		1.63E-09	µCi/mL	TM	EPA900.0M
0 Tritium	2.53E-06±4.50E-07				5.10E-07	µCi/mL	TM	EPA906.0M

## WELL PBP 2D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/15/99  
 Depth to water: 38.5 ft (11.73 m) below TOC  
 Water elevation: 277.8 ft (84.67 m) msl  
 pH: 4.8  
 Sp. conductance: 30 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 7 gal

Time: 14:01  
 Water temperature: 21.7°C  
 Air temperature: 35.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	21.8	J	I		146	µg/L	WA	EPA6010B
0 Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0 Barium, total recoverable	13.2				1.80	µg/L	WA	EPA6010B
0 Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0 Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0 Calcium, total recoverable	354	J	I		471	µg/L	WA	EPA6010B
0 Chloride	2,930				210	µg/L	WA	EPA9056
0 Chloride	2,820				210	µg/L	WA	EPA9056
0 Chromium, total recoverable	<7.00	U			7.00	µg/L	WA	EPA6010B
0 Fluoride	<30.9	U	V		40.0	µg/L	WA	EPA340.2
0 Iron, total recoverable	<40.9	U	V		74.0	µg/L	WA	EPA6010B
0 Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0 Lithium, total recoverable	1.50	J	I		2.70	µg/L	WA	EPA6010B
0 Magnesium, total recoverable	295				74.0	µg/L	WA	EPA6010B
0 Manganese, total recoverable	7.00	J	I		7.80	µg/L	WA	EPA6010B
0 Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0 Nitrate-nitrite as nitrogen	1,080				100	µg/L	WA	EPA353.2
0 Potassium, total recoverable	1,320				187	µg/L	WA	EPA6010B
0 Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0 Silica, total recoverable	8,680				1,350	µg/L	WA	EPA6010B
0 Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0 Sodium, total recoverable	2,960				285	µg/L	WA	EPA6010B
0 Sulfate	1,080				340	µg/L	WA	EPA9056
0 Sulfate	1,060				340	µg/L	WA	EPA9056
0 Total dissolved solids	5,000	J	I		50,000	µg/L	WA	EPA160.1
0 Total organic carbon	518	J	I		1,000	µg/L	WA	EPA9060
0 Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0 Total phosphates (as P)	<67.0	U			67.0	µg/L	WA	EPA385.2
0 Gross alpha	1.75E-09±7.50E-10	J	I		8.50E-10	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	1.40E-09±1.07E-09	U			1.74E-09	µCi/mL	TM	EPA900.0M
0 Tritium	4.33E-06±5.30E-07				5.10E-07	µCi/mL	TM	EPA906.0M

## WELL PBP 3D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/15/99  
 Depth to water: 41.08 ft (12.52 m) below TOC  
 Water elevation: 278.32 ft (84.83 m) msl  
 pH: 5.1  
 Sp. conductance: 32 µS/cm  
 Turbidity: 5 NTU  
 Water evacuated from the well prior to sampling: 15 gal

Time: 15:03  
 Water temperature: 20.7°C  
 Air temperature: 32.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	61.4	J	I		146	µg/L	WA	EPA6010B
0 Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0 Barium, total recoverable	12.7				1.80	µg/L	WA	EPA6010B
0 Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0 Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0 Calcium, total recoverable	516				471	µg/L	WA	EPA6010B
0 Chloride	3,840				210	µg/L	WA	EPA9056

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Well PBP 3D collected on 05/15/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Chromium, total recoverable	<1.40	U	V	7.00		µg/L	WA	EPA6010B
0 Fluoride	<38.8	U	V	40.0		µg/L	WA	EPA340.2
0 Iron, total recoverable	135			74.0		µg/L	WA	EPA6010B
0 Lead, total recoverable	<47.0	U		47.0		µg/L	WA	EPA6010B
0 Lithium, total recoverable	0.590	J	I	2.70		µg/L	WA	EPA6010B
0 Magnesium, total recoverable	765			74.0		µg/L	WA	EPA6010B
0 Manganese, total recoverable	10.8			7.80		µg/L	WA	EPA6010B
0 Mercury, total recoverable	<0.700	U		0.700		µg/L	WA	EPA7470A
0 Nitrate-nitrite as nitrogen	1,040			100		µg/L	WA	EPA353.2
0 Potassium, total recoverable	570			187		µg/L	WA	EPA6010B
0 Selenium, total recoverable	<66.0	U		66.0		µg/L	WA	EPA6010B
0 Silica, total recoverable	4,440			1,350		µg/L	WA	EPA6010B
0 Silver, total recoverable	<5.00	U		5.00		µg/L	WA	EPA6010B
0 Sodium, total recoverable	2,960			285		µg/L	WA	EPA6010B
0 Sulfate	815			340		µg/L	WA	EPA9056
0 Total dissolved solids	12,000	J	I	50,000		µg/L	WA	EPA160.1
0 Total organic carbon	238	J	I	1,000		µg/L	WA	EPA9060
0 Total organic halogens	<120	U		120		µg/L	WA	EPA9020B
0 Total phosphates (as P)	<67.0	U		67.0		µg/L	WA	EPA365.2
0 Gross alpha	1.40E-09±6.80E-10	J	I	8.30E-10		µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	9.30E-10±1.03E-09	U		1.73E-09		µCi/mL	TM	EPA900.0M
0 Tritium	2.29E-06±4.20E-07			4.90E-07		µCi/mL	TM	EPA906.0M

## WELL PSB 1A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/21/99  
 Depth to water: 52.35 ft (15.96 m) below TOC  
 Water elevation: 276.75 ft (84.35 m) msl  
 pH: 6  
 Sp. conductance: 47 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 30 gal

Time: 9:23  
 Water temperature: 20.3°C  
 Air temperature: 22.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Iodine-129	5.36E-11±5.33E-10	U		1.01E-09		µCi/mL	GP	EPIA-006
0 Strontium-90	-1.83E-10±6.98E-10	U		1.42E-09		µCi/mL	GP	EPIA-004

## WELL PSB 2A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/21/99  
 Depth to water: 47.19 ft (14.38 m) below TOC  
 Water elevation: 276.51 ft (84.28 m) msl  
 pH: 5  
 Sp. conductance: 62 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 52 gal

Time: 8:54  
 Water temperature: 19.2°C  
 Air temperature: 20.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Iodine-129	1.64E-10±4.58E-10	U		1.43E-09		µCi/mL	GP	EPIA-006
0 Strontium-90	8.67E-10±5.31E-10	U		9.75E-10		µCi/mL	GP	EPIA-004

## WELL PSB 2A Replicate

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/21/99  
 Depth to water: 47.19 ft (14.38 m) below TOC  
 Water elevation: 276.51 ft (84.28 m) msl  
 pH: 5  
 Sp. conductance: 62 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 52 gal

Time: 8:54  
 Water temperature: 19.2°C  
 Air temperature: 20.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

Well PSB 2A collected on 05/21/99 (cont.)

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Iodine-129	9.50E-10±8.64E-10	U		1.42E-09		µCi/mL	GP	EPIA-006
0 Iodine-129	2.34E-10±7.27E-10	U		6.92E-10		µCi/mL	GP	EPIA-006
0 Strontium-90	-1.34E-10±1.33E-09	U		2.49E-09		µCi/mL	GP	EPIA-004
0 Strontium-90	-5.79E-10±8.23E-10	U		1.58E-09		µCi/mL	GP	EPIA-004

## WELL PSB 3A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/21/99  
 Depth to water: 43 ft (13.11 m) below TOC  
 Water elevation: 275.6 ft (84 m) msl  
 pH: 4.7  
 Sp. conductance: 41 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 87 gal

Time: 8:03  
 Water temperature: 18.9°C  
 Air temperature: 17.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Iodine-129	9.83E-11±6.97E-10	U		8.72E-10		µCi/mL	GP	EPIA-006
0 Strontium-90	5.40E-10±5.84E-10	U		1.12E-09		µCi/mL	GP	EPIA-004

## WELL PSB 4A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/24/99  
 Depth to water: 37.38 ft (11.39 m) below TOC  
 Water elevation: 275.12 ft (83.86 m) msl  
 pH: 4.7  
 Sp. conductance: 45 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 76 gal

Time: 11:30  
 Water temperature: 20.4°C  
 Air temperature: 28.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Iodine-129	-1.34E-10±5.33E-10	U		9.42E-10		µCi/mL	GP	EPIA-006
0 Strontium-90	-9.71E-11±4.70E-10	U		9.18E-10		µCi/mL	GP	EPIA-004
0 Strontium-90	-1.61E-11±5.69E-10	U		1.10E-09		µCi/mL	GP	EPIA-004

## WELL PSB 5A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/24/99  
 Depth to water: 42.83 ft (13.05 m) below TOC  
 Water elevation: 276.47 ft (84.27 m) msl  
 pH: 4.7  
 Sp. conductance: 48 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 24 gal

Time: 10:47  
 Water temperature: 21°C  
 Air temperature: 25.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Iodine-129	1.06E-09±5.48E-10	J	I	8.64E-10		µCi/mL	GP	EPIA-006
0 Iodine-129	4.23E-10±2.12E-09	U		1.23E-09		µCi/mL	GP	EPIA-006
0 Strontium-90	-3.58E-10±5.66E-10	U		1.12E-09		µCi/mL	GP	EPIA-004

## WELL PSB 6A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/24/99  
 Depth to water: 46.61 ft (14.21 m) below TOC  
 Water elevation: 277.59 ft (84.61 m) msl  
 pH: 4.5  
 Sp. conductance: 58 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 60 gal

Time: 10:10  
 Water temperature: 20.3°C  
 Air temperature: 24.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Iodine-129	1.77E-09±1.91E-09	U			1.13E-09	µCi/mL	GP	EPIA-006
0	Strontium-90	5.12E-10±1.22E-09	U			2.23E-09	µCi/mL	GP	EPIA-004

## WELL PSB 7A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/21/99  
 Depth to water: 53.51 ft (16.31 m) below TOC  
 Water elevation: 277.19 ft (84.49 m) msl  
 pH: 5.2  
 Sp. conductance: 37 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 35 gal

Time: 10:10  
 Water temperature: 22.3°C  
 Air temperature: 26.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Iodine-129	1.93E-10±6.92E-10	U			1.35E-09	µCi/mL	GP	EPIA-006
0	Strontium-90	-1.07E-09±7.66E-10	JU	L	C	1.76E-09	µCi/mL	GP	EPIA-004

## WELL RBP 1D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/15/99  
 Depth to water: 49.58 ft (15.11 m) below TOC  
 Water elevation: 256.12 ft (78.07 m) msl  
 pH: 4.8  
 Sp. conductance: 27 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 9 gal

Time: 13:20  
 Water temperature: 19.7°C  
 Air temperature: 35.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Aluminum, total recoverable	49.1	J	I		146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	9.50	U			1.80	µg/L	WA	EPA6010B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Calcium, total recoverable	131	J	I		471	µg/L	WA	EPA6010B
0	Chloride	2,620	U			210	µg/L	WA	EPA9056
0	Chromium, total recoverable	<1.30	U	V		7.00	µg/L	WA	EPA6010B
0	Fluoride	<30.8	U	V		40.0	µg/L	WA	EPA340.2
0	Fluoride	<30.0	U	V		40.0	µg/L	WA	EPA340.2
0	Iron, total recoverable	101	U			74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	5.30	J	I		47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.900	J	I		2.70	µg/L	WA	EPA6010B
0	Magnesium, total recoverable	284	U			74.0	µg/L	WA	EPA6010B
0	Manganese, total recoverable	6.10	J	I		7.80	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nitrate-nitrite as nitrogen	502	U			20.0	µg/L	WA	EPA353.2
0	Potassium, total recoverable	614	U			187	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silica, total recoverable	6,720	U			1,350	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sodium, total recoverable	2,250	U			285	µg/L	WA	EPA6010B
0	Sulfate	586	U			340	µg/L	WA	EPA9056
0	Total dissolved solids	<50,000	U			50,000	µg/L	WA	EPA160.1
0	Total dissolved solids	<50,000	U			50,000	µg/L	WA	EPA160.1
0	Total organic carbon	597	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B

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Well RBP 1D collected on 06/15/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Total phosphates (as P)	17.5	J	I		67.0	µg/L	WA	EPA365.2
0	Gross alpha	6.70E-10±5.50E-10	U			8.20E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	-4.60E-10±9.40E-10	U			1.72E-09	µCi/mL	TM	EPA900.0M
0	Tritium	1.27E-06±3.60E-07				5.00E-07	µCi/mL	TM	EPA906.0M

## WELL RBP 2D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/10/99  
 Depth to water: 47.54 ft (14.49 m) below TOC  
 Water elevation: 258.26 ft (78.72 m) msl  
 pH: 4.8  
 Sp. conductance: 70 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 10 gal

Time: 11:05  
 Water temperature: 19.8°C  
 Air temperature: 31.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
1	Aluminum, total recoverable	28.4	J	I		146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	16.3	U			1.80	µg/L	WA	EPA6010B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Calcium, total recoverable	1,200	U			471	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloride	8,090	U			210	µg/L	WA	EPA9056
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chromium, total recoverable	<1.30	U	V		7.00	µg/L	WA	EPA6010B
0	cis-1,2-Dichloroethylene	<1.00	U	V		1.00	µg/L	WA	EPA8021B
0	Fluoride	<24.5	U	V		40.0	µg/L	WA	EPA340.2
0	Iron, total recoverable	<20.0	U	V		74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.940	J	I		2.70	µg/L	WA	EPA6010B
0	Magnesium, total recoverable	1,080	U			74.0	µg/L	WA	EPA6010B
1	Manganese, total recoverable	34.4	U			7.80	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nitrate-nitrite as nitrogen	2,850	U			200	µg/L	WA	EPA353.2
0	Nitrate-nitrite as nitrogen	2,930	U			200	µg/L	WA	EPA353.2
0	Potassium, total recoverable	497	U			187	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silica, total recoverable	7,350	U			1,350	µg/L	WA	EPA6010B
0	Silver, total recoverable	<0.830	JU	I	4	5.00	µg/L	WA	EPA6010B
0	Sodium, total recoverable	7,620	U			285	µg/L	WA	EPA6010B
0	Sulfate	682	U			340	µg/L	WA	EPA9056
2	Tetrachloroethylene	7.43	U			1.00	µg/L	WA	EPA8021B
0	Total dissolved solids	36,000	J	I		50,000	µg/L	WA	EPA160.1
0	Total organic carbon	<1,000	U			1,000	µg/L	WA	EPA9060
0	Total organic halogens	18.9	J	I		120	µg/L	WA	EPA9020B
0	Total phosphates (as P)	<67.0	U			67.0	µg/L	WA	EPA365.2
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Gross alpha	1.50E-09±6.60E-10	J	I		6.40E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.60E-10±1.08E-09	U			1.86E-09	µCi/mL	TM	EPA900.0M
0	Tritium	6.42E-06±6.30E-07				5.60E-07	µCi/mL	TM	EPA906.0M

## WELL RBP 3D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/10/99  
 Depth to water: 48.77 ft (14.87 m) below TOC  
 Water elevation: 261.43 ft (79.68 m) msl  
 pH: 5.2  
 Sp. conductance: 39 µS/cm  
 Turbidity: 3 NTU  
 Water evacuated from the well prior to sampling: 12 gal

Time: 10:37  
 Water temperature: 19.5°C  
 Air temperature: 30.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	430	U			146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	6.40	U			1.80	µg/L	WA	EPA6010B
0	Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B

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Well RBP 3D collected on 06/10/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Calcium, total recoverable	1,840				471	µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloride	2,740				210	µg/L	WA	EPA9056
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chromium, total recoverable	<2.50	U	V		7.00	µg/L	WA	EPA6010B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Fluoride	<36.5	U	V		40.0	µg/L	WA	EPA340.2
2	Iron, total recoverable	908				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.600	J	I		2.70	µg/L	WA	EPA6010B
0	Magnesium, total recoverable	594				74.0	µg/L	WA	EPA6010B
0	Manganese, total recoverable	13.1				7.80	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nitrate-nitrite as nitrogen	2,460				200	µg/L	WA	EPA353.2
0	Potassium, total recoverable	503				187	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silica, total recoverable	7,230				1,350	µg/L	WA	EPA6010B
0	Silver, total recoverable	<0.510	JU	I	4	5.00	µg/L	WA	EPA6010B
0	Sodium, total recoverable	3,530				285	µg/L	WA	EPA6010B
0	Sulfate	428				340	µg/L	WA	EPA9056
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Total dissolved solids	<50,000	U			50,000	µg/L	WA	EPA160.1
0	Total organic carbon	643	J	I		1,000	µg/L	WA	EPA9060
0	Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0	Total phosphates (as P)	54.6	J	I		67.0	µg/L	WA	EPA365.2
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Gross alpha	2.68E-09±8.70E-10				7.30E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	-3.00E-11±1.26E-09	U			2.21E-09	µCi/mL	TM	EPA900.0M
0	Tritium	1.75E-06±4.20E-07				5.60E-07	µCi/mL	TM	EPA906.0M

**WELL RSA 7**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/27/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 5.1  
 Sp. conductance: 28 µS/cm  
 Turbidity: 15 NTU  
 Water evacuated from the well prior to sampling: 6 gal  
 The well went dry during purging.

Time: 10:09  
 Water temperature: 30.6°C  
 Air temperature: 29.4°C  
 Total alkalinity (as CaCO3): 7 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon-14	3.70E-09±4.94E-09	U			8.33E-09	µCi/mL	GP	EPIA-003
0	Carbon-14	2.00E-09±5.00E-09	U			8.54E-09	µCi/mL	GP	EPIA-003

**WELL RSA 7**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/17/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 4.8  
 Sp. conductance: 30 µS/cm  
 Turbidity: 11 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 9:05  
 Water temperature: 26.4°C  
 Air temperature: 21.6°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon-14	3.38E-09±4.46E-09	U			7.51E-09	µCi/mL	GP	EPIA-003

**WELL RSA 8**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/14/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 4.6  
 Sp. conductance: 21 µS/cm  
 Turbidity: 11 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 10:17  
 Water temperature: 21.4°C  
 Air temperature: 21.1°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon-14	-2.62E-09±4.66E-09	U			8.20E-09	µCi/mL	GP	EPIA-003

**WELL RSA 8**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/16/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 4.7  
 Sp. conductance: 23 µS/cm  
 Turbidity: 13 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 10:35  
 Water temperature: 24.8°C  
 Air temperature: 27.6°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon-14	-2.40E-09±4.07E-09	U			7.13E-09	µCi/mL	GP	EPIA-003

**WELL RSD 1**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/14/99  
 Depth to water: 13.1 ft (3.99 m) below TOC  
 Water elevation: 287.9 ft (87.75 m) msl  
 pH: 4.6  
 Sp. conductance: 26 µS/cm  
 Turbidity: 22 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 13:10  
 Water temperature: 21.2°C  
 Air temperature: 24.8°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SXN

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon-14	-3.81E-09±4.68E-09	U			8.30E-09	µCi/mL	GP	EPIA-003

**WELL RSD 1**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/17/99  
 Depth to water: 13.1 ft (3.99 m) below TOC  
 Water elevation: 287.4 ft (87.6 m) msl  
 pH: 4.7  
 Sp. conductance: 32 µS/cm  
 Turbidity: 32 NTU  
 Water evacuated from the well prior to sampling: 2 gal  
 The well went dry during purging.

Time: 8:00  
 Water temperature: 21.3°C  
 Air temperature: 20.5°C  
 Total alkalinity (as CaCO3): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SXN

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon-14	7.89E-10±4.36E-09	U			7.47E-09	µCi/mL	GP	EPIA-003

## WELL RSD 3

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/14/99  
 Depth to water: 14.45 ft (4.4 m) below TOC  
 Water elevation: 286.45 ft (87.31 m) msl  
 pH: 4.6  
 Sp. conductance: 32 µS/cm  
 Turbidity: 7 NTU  
 Water evacuated from the well prior to sampling: 3 gal  
 The well went dry during purging.

Time: 11:14  
 Water temperature: 20.3°C  
 Air temperature: 28.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon-14	-1.06E-09±5.14E-09	U		8.95E-09		µCi/mL	GP	EPIA-003

## WELL RSD 3 Replicate

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/14/99  
 Depth to water: 14.45 ft (4.4 m) below TOC  
 Water elevation: 286.45 ft (87.31 m) msl  
 pH: 4.6  
 Sp. conductance: 32 µS/cm  
 Turbidity: 7 NTU  
 Water evacuated from the well prior to sampling: 3 gal  
 The well went dry during purging.

Time: 11:14  
 Water temperature: 20.3°C  
 Air temperature: 28.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon-14	-3.15E-09±4.58E-09	U		8.09E-09		µCi/mL	GP	EPIA-003

## WELL RSD 3

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/17/99  
 Depth to water: 14.45 ft (4.4 m) below TOC  
 Water elevation: 286.35 ft (87.28 m) msl  
 pH: 5.4  
 Sp. conductance: 44 µS/cm  
 Turbidity: 15 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 8:20  
 Water temperature: 20.1°C  
 Air temperature: 22.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon-14	9.19E-10±4.26E-09	U		7.30E-09		µCi/mL	GP	EPIA-003

## WELL RSE 1A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/14/99  
 Depth to water: 21.86 ft (6.66 m) below TOC  
 Water elevation: 282.54 ft (86.12 m) msl  
 pH: 4.2  
 Sp. conductance: 20 µS/cm  
 Turbidity: 11 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 11:17  
 Water temperature: 23.4°C  
 Air temperature: 24°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon-14	-5.81E-09±4.64E-09	U		8.36E-09		µCi/mL	GP	EPIA-003

## WELL RSE 1A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/16/99  
 Depth to water: 25.91 ft (7.9 m) below TOC  
 Water elevation: 278.29 ft (84.82 m) msl  
 pH: 4.7  
 Sp. conductance: 29 µS/cm  
 Turbidity: 4 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 12:40  
 Water temperature: 25.9°C  
 Air temperature: 31°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon-14	1.34E-09±4.20E-09	U		7.16E-09		µCi/mL	GP	EPIA-003

## WELL RSE 2

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/14/99  
 Depth to water: 20.96 ft (6.39 m) below TOC  
 Water elevation: 281.84 ft (85.91 m) msl  
 pH: 4.5  
 Sp. conductance: 26 µS/cm  
 Turbidity: 11 NTU  
 Water evacuated from the well prior to sampling: 3 gal  
 The well went dry during purging.

Time: 10:45  
 Water temperature: 26°C  
 Air temperature: 22.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon-14	-4.91E-10±4.79E-09	U		8.31E-09		µCi/mL	GP	EPIA-003

## WELL RSE 2

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/16/99  
 Depth to water: 25.91 ft (7.9 m) below TOC  
 Water elevation: 276.59 ft (84.31 m) msl  
 pH: 4.5  
 Sp. conductance: 49 µS/cm  
 Turbidity: 9 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 10:55  
 Water temperature: 28.8°C  
 Air temperature: 29.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon-14	2.26E-09±4.38E-09	U		7.42E-09		µCi/mL	GP	EPIA-003

## WELL RSE 7

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/14/99  
 Depth to water: 27.15 ft (8.28 m) below TOC  
 Water elevation: 275.85 ft (84.08 m) msl  
 pH: 4.4  
 Sp. conductance: 120 µS/cm  
 Turbidity: 61 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 10:25  
 Water temperature: 26.4°C  
 Air temperature: 21.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SXN

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon-14	-3.33E-09±4.75E-09	U		8.40E-09		µCi/mL	GP	EPIA-003

## WELL RSE 7

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/17/99  
 Depth to water: 27.15 ft (8.28 m) below TOC  
 Water elevation: 275.25 ft (83.9 m) msl  
 pH: 5.4  
 Sp. conductance: 38 µS/cm  
 Turbidity: 34 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 9:50  
 Water temperature: 24.4°C  
 Air temperature: 21.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 7 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SXN

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Carbon-14	6.37E-10±4.16E-09	U			7.13E-09	µCi/mL	GP	EPIA-003

## WELL RSE 7 Replicate

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/17/99  
 Depth to water: 27.15 ft (8.28 m) below TOC  
 Water elevation: 275.25 ft (83.9 m) msl  
 pH: 5.4  
 Sp. conductance: 38 µS/cm  
 Turbidity: 34 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 9:50  
 Water temperature: 24.4°C  
 Air temperature: 21.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 7 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SXN

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Carbon-14	-1.02E-09±4.25E-09	U			7.37E-09	µCi/mL	GP	EPIA-003

## WELL RSE 8

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/14/99  
 Depth to water: 17.57 ft (5.36 m) below TOC  
 Water elevation: 284.53 ft (86.73 m) msl  
 pH: 4.4  
 Sp. conductance: 50 µS/cm  
 Turbidity: 10 NTU  
 Water evacuated from the well prior to sampling: 4 gal  
 The well went dry during purging.

Time: 10:50  
 Water temperature: 25.4°C  
 Air temperature: 21°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Carbon-14	-5.83E-10±4.84E-09	U			8.39E-09	µCi/mL	GP	EPIA-003
0 Carbon-14	-2.37E-09±4.68E-09	U			8.22E-09	µCi/mL	GP	EPIA-003

## WELL RSE 8

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/16/99  
 Depth to water: 17.57 ft (5.36 m) below TOC  
 Water elevation: 284.63 ft (86.76 m) msl  
 pH: 4.8  
 Sp. conductance: 48 µS/cm  
 Turbidity: 8 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 10:30  
 Water temperature: 26.7°C  
 Air temperature: 27.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Carbon-14	-3.56E-10±4.23E-09	U			7.31E-09	µCi/mL	GP	EPIA-003

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## WELL RWM 1

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 4.8  
 Sp. conductance: 61 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 11:50  
 Water temperature: 19.7°C  
 Air temperature: 23.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<1,000	U			1,000	µg/L	EX	EPA8260B
0 Bromodichloromethane	<1,000	U			1,000	µg/L	EX	EPA8260B
0 Bromoform	<1,000	U			1,000	µg/L	EX	EPA8260B
0 Bromomethane	<1,000	U			1,000	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<1,000	U			1,000	µg/L	EX	EPA8260B
0 Chlorobenzene	<1,000	U			1,000	µg/L	EX	EPA8260B
0 Chloroethane	<2,000	U			2,000	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<1,000	U			1,000	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<1,000	U			1,000	µg/L	EX	EPA8260B
0 Chloroform	<1,000	U			1,000	µg/L	EX	EPA8260B
0 Chloromethane	<1,000	U			1,000	µg/L	EX	EPA8260B
0 Dibromochloromethane	<1,000	U			1,000	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<1,000	U			1,000	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<1,000	U			1,000	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<1,000	U			1,000	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<1,000	U			1,000	µg/L	EX	EPA8260B
0 Dichloromethane	<1,000	U			1,000	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<1,000	U			1,000	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<1,000	U			1,000	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<1,000	U			1,000	µg/L	EX	EPA8260B
0 Ethylbenzene	<1,000	U			1,000	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<1,000	U			1,000	µg/L	EX	EPA8260B
2 Tetrachloroethylene	15,000	U			1,000	µg/L	EX	EPA8260B
0 Toluene	<1,000	U			1,000	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<1,000	U			1,000	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<1,000	U			1,000	µg/L	EX	EPA8260B
2 Trichloroethylene	22,000	U			1,000	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<1,000	U			1,000	µg/L	EX	EPA8260B

## WELL RWM 1

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/17/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 4.1  
 Sp. conductance: 62 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 12:29  
 Water temperature: 21.4°C  
 Air temperature: 29.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<1,200	U		X	1,200	µg/L	EX	EPA8260B
0 Bromodichloromethane	<1,200	U		X	1,200	µg/L	EX	EPA8260B
0 Bromoform	<1,200	U		X	1,200	µg/L	EX	EPA8260B
0 Bromomethane	<1,200	U		X	1,200	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<1,200	U		X	1,200	µg/L	EX	EPA8260B
0 Chlorobenzene	<1,200	U		X	1,200	µg/L	EX	EPA8260B
0 Chloroethane	<2,500	U		X	2,500	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<1,200	U		X	1,200	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<1,200	U		X	1,200	µg/L	EX	EPA8260B
0 Chloroform	<1,200	U		X	1,200	µg/L	EX	EPA8260B
0 Chloromethane	<1,200	U		X	1,200	µg/L	EX	EPA8260B
0 Dibromochloromethane	<1,200	U		X	1,200	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<1,200	U		X	1,200	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<1,200	U		X	1,200	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<1,200	U		X	1,200	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<1,200	U		X	1,200	µg/L	EX	EPA8260B
0 Dichloromethane	<1,250	U		X	1,250	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<1,200	U		X	1,200	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<1,200	U		X	1,200	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<1,200	U		X	1,200	µg/L	EX	EPA8260B
0 Ethylbenzene	<1,200	U		X	1,200	µg/L	EX	EPA8260B

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Second Quarter 1999

Well RWM 1 collected on 05/17/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 1,1,2,2-Tetrachloroethane	<1,200	U	X	X	1,200	µg/L	EX	EPA8260B
2 Tetrachloroethylene	9,500		X	X	1,200	µg/L	EX	EPA8260B
0 Toluene	<1,200	U	X	X	1,200	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<1,200	U	X	X	1,200	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<1,200	U	X	X	1,200	µg/L	EX	EPA8260B
2 Trichloroethylene	14,000		X	X	1,200	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<1,200	U	X	X	1,200	µg/L	EX	EPA8260B

**WELL RWM 1**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/14/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 4.8  
 Sp. conductance: 62 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 Bromodichloromethane	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 Bromoform	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 Bromomethane	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 Chlorobenzene	<2,000	U	X	X	2,000	µg/L	EX	EPA8260B
0 Chloroethane	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 Chloroform	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 Chloromethane	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 Dibromochloromethane	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 Dichloromethane	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 Ethylbenzene	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
2 Tetrachloroethylene	16,000		X	X	1,000	µg/L	EX	EPA8260B
0 Toluene	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 1,1-Trichloroethane	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
2 Trichloroethylene	21,000		X	X	1,000	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B

**WELL RWM 2**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/14/99  
 Depth to water: 211.5 ft (64.47 m) below TOC  
 Water elevation: 159.8 ft (48.71 m) msl  
 pH: 4.8  
 Sp. conductance: 88 µS/cm  
 Turbidity: 4 NTU  
 The well was continuously pumping.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Bromodichloromethane	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Bromoform	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Bromomethane	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Chlorobenzene	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Chloroethane	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<500	U	X	X	500	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<500	U	X	X	500	µg/L	EX	EPA8260B

**ESH-EMS-990521**

Well RWM 2 collected on 04/14/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Chloroform	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Chloromethane	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Dibromochloromethane	<500	U	X	X	500	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<500	U	X	X	500	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<500	U	X	X	500	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<500	U	X	X	500	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Dichloromethane	<500	U	X	X	500	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<500	U	X	X	500	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<500	U	X	X	500	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Ethylbenzene	<500	U	X	X	500	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	13,000		X	X	500	µg/L	EX	EPA8260B
2 Tetrachloroethylene	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Toluene	<500	U	X	X	500	µg/L	EX	EPA8260B
0 1,1-Trichloroethane	<500	U	X	X	500	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<500	U	X	X	500	µg/L	EX	EPA8260B
2 Trichloroethylene	13,000		X	X	500	µg/L	EX	EPA8260B
2 Trichlorofluoromethane	<500	U	X	X	500	µg/L	EX	EPA8260B

**WELL RWM 2**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/17/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 4  
 Sp. conductance: 93 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Bromodichloromethane	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Bromoform	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Bromomethane	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Chlorobenzene	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Chloroethane	<1,000	U	X	X	1,000	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<500	U	X	X	500	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Chloroform	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Chloromethane	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Dibromochloromethane	<500	U	X	X	500	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<500	U	X	X	500	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<500	U	X	X	500	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<500	U	X	X	500	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Dichloromethane	<500	U	X	X	500	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<500	U	X	X	500	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<500	U	X	X	500	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Ethylbenzene	<500	U	X	X	500	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	11,000		X	X	500	µg/L	EX	EPA8260B
2 Tetrachloroethylene	<500	U	X	X	500	µg/L	EX	EPA8260B
0 Toluene	<500	U	X	X	500	µg/L	EX	EPA8260B
0 1,1-Trichloroethane	<500	U	X	X	500	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<500	U	X	X	500	µg/L	EX	EPA8260B
2 Trichloroethylene	11,000		X	X	500	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<500	U	X	X	500	µg/L	EX	EPA8260B

Time: 11:57  
 Water temperature: 21.1°C  
 Air temperature: 34.1°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**WELL RWM 2**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/14/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 4.6  
 Sp. conductance: 86 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 9:30  
 Water temperature: 20.7°C  
 Air temperature: 27.9°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	Bromodichloromethane	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	Bromoform	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	Bromomethane	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	Chlorobenzene	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	Chloroethane	<2,000	JU	L	O	2,000	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	Chloroform	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	Chloromethane	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	Dibromochloromethane	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	Dichloromethane	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropane	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropane	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	Ethylbenzene	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
2	Tetrachloroethylene	14,000	J	L	O	1,000	µg/L	EX	EPA8260B
0	Toluene	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B
2	Trichloroethylene	12,000	J	L	O	1,000	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<1,000	JU	L	O	1,000	µg/L	EX	EPA8260B

**WELL RWM 3**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/14/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 4.8  
 Sp. conductance: 48 µS/cm  
 Turbidity: 3 NTU  
 The well was continuously pumping.

Time: 10:15  
 Water temperature: 19.4°C  
 Air temperature: 18.1°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Benzene	<250	U			250	µg/L	EX	EPA8260B
0	Benzene	<125	U		X	125	µg/L	WA	EPA8260B
0	Bromodichloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Bromodichloromethane	<250	U			250	µg/L	EX	EPA8260B
0	Bromodichloromethane	<125	U		X	125	µg/L	WA	EPA8260B
0	Bromoform	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Bromoform	<250	U			250	µg/L	EX	EPA8260B
0	Bromoform	<125	U		X	125	µg/L	WA	EPA8260B
0	Bromomethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Bromomethane	<250	U			250	µg/L	EX	EPA8260B
0	Bromomethane	<250	U			250	µg/L	EX	EPA8260B
0	Bromomethane	<250	U		X	250	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<250	U			250	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<125	U		X	125	µg/L	WA	EPA8260B
0	Chlorobenzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chlorobenzene	<250	U			250	µg/L	EX	EPA8260B
0	Chlorobenzene	<125	U		X	125	µg/L	WA	EPA8260B
0	Chloroethane	<100	U			100	µg/L	EX	EPA8260B
0	Chloroethane	<500	U			500	µg/L	EX	EPA8260B
0	Chloroethane	<250	U		X	250	µg/L	WA	EPA8260B

**ESH-EMS-990521**

**Well RWM 3 collected on 04/14/99 (cont.)**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloroethene (Vinyl chloride)	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<250	U			250	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<250	U		X	250	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<50.0	U			50.0	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<250	U			250	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<250	U		X	250	µg/L	WA	EPA8260B
0	Chloroform	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chloroform	<250	U			250	µg/L	EX	EPA8260B
0	Chloroform	<125	U		X	125	µg/L	WA	EPA8260B
0	Chloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chloromethane	<250	U			250	µg/L	EX	EPA8260B
0	Chloromethane	<250	U		X	250	µg/L	WA	EPA8260B
0	Dibromochloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Dibromochloromethane	<250	U			250	µg/L	EX	EPA8260B
0	Dibromochloromethane	<125	U		X	125	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<250	U			250	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<125	U		X	125	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<250	U			250	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<125	U		X	125	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<250	U			250	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<125	U		X	125	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<250	U			250	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<125	U		X	125	µg/L	WA	EPA8260B
0	Dichloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Dichloromethane	<250	U			250	µg/L	EX	EPA8260B
0	Dichloromethane	<125	U		X	125	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<250	U			250	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<125	U		X	125	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropane	<250	U			250	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropane	<125	U		X	125	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropane	<250	U			250	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropane	<125	U		X	125	µg/L	WA	EPA8260B
0	Ethylbenzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Ethylbenzene	<250	U			250	µg/L	EX	EPA8260B
0	Ethylbenzene	<125	U		X	125	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<250	U			250	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<125	U		X	125	µg/L	WA	EPA8260B
2	Tetrachloroethylene	1,100				50.0	µg/L	EX	EPA8260B
2	Tetrachloroethylene	1,100				250	µg/L	EX	EPA8260B
2	Tetrachloroethylene	1,120			X	125	µg/L	WA	EPA8260B
0	Toluene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Toluene	<250	U			250	µg/L	EX	EPA8260B
0	Toluene	<125	U		X	125	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<250	U			250	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<125	U		X	125	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<250	U			250	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<125	U		X	125	µg/L	WA	EPA8260B
2	Trichloroethylene	3,900				50.0	µg/L	EX	EPA8260B
2	Trichloroethylene	3,700				250	µg/L	EX	EPA8260B
2	Trichloroethylene	4,330			X	125	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<250	U			250	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<125	U		X	125	µg/L	WA	EPA8260B
0	Xylenes	<125	U		X	125	µg/L	WA	EPA8260B

**B-191**

**Second Quarter 1999**

## WELL RWM 3 Replicate

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 4.8  
 Sp. conductance: 48 µS/cm  
 Turbidity: 3 NTU  
 The well was continuously pumping.

Time: 10:15  
 Water temperature: 19.4°C  
 Air temperature: 18.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<50.0	U		50.0		µg/L	EX	EPA8260B
0	Benzene	<250	U		250		µg/L	EX	EPA8260B
0	Bromodichloromethane	<50.0	U		50.0		µg/L	EX	EPA8260B
0	Bromodichloromethane	<250	U		250		µg/L	EX	EPA8260B
0	Bromoform	<50.0	U		50.0		µg/L	EX	EPA8260B
0	Bromoform	<250	U		250		µg/L	EX	EPA8260B
0	Bromomethane	<50.0	U		50.0		µg/L	EX	EPA8260B
0	Bromomethane	<250	U		250		µg/L	EX	EPA8260B
0	Carbon tetrachloride	<50.0	U		50.0		µg/L	EX	EPA8260B
0	Carbon tetrachloride	<250	U		250		µg/L	EX	EPA8260B
0	Chlorobenzene	<50.0	U		50.0		µg/L	EX	EPA8260B
0	Chlorobenzene	<250	U		250		µg/L	EX	EPA8260B
0	Chloroethane	<100	U		100		µg/L	EX	EPA8260B
0	Chloroethane	<500	U		500		µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<50.0	U		50.0		µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<250	U		250		µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<50.0	U		50.0		µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<250	U		250		µg/L	EX	EPA8260B
0	Chloroform	<50.0	U		50.0		µg/L	EX	EPA8260B
0	Chloroform	<250	U		250		µg/L	EX	EPA8260B
0	Chloromethane	<50.0	U		50.0		µg/L	EX	EPA8260B
0	Chloromethane	<250	U		250		µg/L	EX	EPA8260B
0	Dibromochloromethane	<50.0	U		50.0		µg/L	EX	EPA8260B
0	Dibromochloromethane	<250	U		250		µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<50.0	U		50.0		µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<250	U		250		µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<50.0	U		50.0		µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<250	U		250		µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<50.0	U		50.0		µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<250	U		250		µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<50.0	U		50.0		µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<250	U		250		µg/L	EX	EPA8260B
0	Dichloromethane	<50.0	U		50.0		µg/L	EX	EPA8260B
0	Dichloromethane	<250	U		250		µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<50.0	U		50.0		µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<250	U		250		µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<50.0	U		50.0		µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<250	U		250		µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<50.0	U		50.0		µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<250	U		250		µg/L	EX	EPA8260B
0	Ethylbenzene	<50.0	U		50.0		µg/L	EX	EPA8260B
0	Ethylbenzene	<250	U		250		µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<50.0	U		50.0		µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<250	U		250		µg/L	EX	EPA8260B
2	Tetrachloroethylene	1,100			50.0		µg/L	EX	EPA8260B
2	Tetrachloroethylene	1,100			250		µg/L	EX	EPA8260B
0	Toluene	<50.0	U		50.0		µg/L	EX	EPA8260B
0	Toluene	<250	U		250		µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<50.0	U		50.0		µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<250	U		250		µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<50.0	U		50.0		µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<250	U		250		µg/L	EX	EPA8260B
2	Trichloroethylene	3,900			50.0		µg/L	EX	EPA8260B
2	Trichloroethylene	3,800			250		µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<50.0	U		50.0		µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<250	U		250		µg/L	EX	EPA8260B

## WELL RWM 3

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/17/99  
 Depth to water: 166.19 ft (50.66 m) below TOC  
 Water elevation: 210.81 ft (64.26 m) msl  
 pH: 4.1  
 Sp. conductance: 45 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 13:04  
 Water temperature: 21.7°C  
 Air temperature: 28.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<100	U		X	100	µg/L	EX	EPA8260B
0	Bromodichloromethane	<100	U		X	100	µg/L	EX	EPA8260B
0	Bromoform	<100	U		X	100	µg/L	EX	EPA8260B
0	Bromomethane	<100	U		X	100	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<100	U		X	100	µg/L	EX	EPA8260B
0	Chlorobenzene	<100	U		X	100	µg/L	EX	EPA8260B
0	Chloroethane	<200	U		X	200	µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<100	U		X	100	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<100	U		X	100	µg/L	EX	EPA8260B
0	Chloroform	<100	U		X	100	µg/L	EX	EPA8260B
0	Chloromethane	<100	U		X	100	µg/L	EX	EPA8260B
0	Dibromochloromethane	<100	U		X	100	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<100	U		X	100	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<100	U		X	100	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<100	U		X	100	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<100	U		X	100	µg/L	EX	EPA8260B
0	Dichloromethane	<100	U		X	100	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<100	U		X	100	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<100	U		X	100	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<100	U		X	100	µg/L	EX	EPA8260B
0	Ethylbenzene	<100	U		X	100	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<100	U		X	100	µg/L	EX	EPA8260B
2	Tetrachloroethylene	900			X	100	µg/L	EX	EPA8260B
0	Toluene	<100	U		X	100	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<100	U		X	100	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<100	U		X	100	µg/L	EX	EPA8260B
2	Trichloroethylene	3,000			X	100	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<100	U		X	100	µg/L	EX	EPA8260B

## WELL RWM 3

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/14/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 4.7  
 Sp. conductance: 48 µS/cm  
 Turbidity: 2 NTU  
 The well was continuously pumping.

Time: 9:45  
 Water temperature: 20.6°C  
 Air temperature: 28.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<250	U		X	250	µg/L	EX	EPA8260B
0	Bromodichloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0	Bromoform	<250	U		X	250	µg/L	EX	EPA8260B
0	Bromomethane	<250	U		X	250	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<250	U		X	250	µg/L	EX	EPA8260B
0	Chlorobenzene	<250	U		X	250	µg/L	EX	EPA8260B
0	Chloroethane	<500	U		X	500	µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<250	U		X	250	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<250	U		X	250	µg/L	EX	EPA8260B
0	Chloroform	<250	U		X	250	µg/L	EX	EPA8260B
0	Chloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0	Dibromochloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<250	U		X	250	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<250	U		X	250	µg/L	EX	EPA8260B
0	Dichloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<250	U		X	250	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<250	U		X	250	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<250	U		X	250	µg/L	EX	EPA8260B

Well RWM 3 collected on 06/14/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Ethylbenzene	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<250	U		X	250	µg/L	EX	EPA8260B
2 Tetrachloroethylene	1,500	U		X	250	µg/L	EX	EPA8260B
0 Toluene	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
2 Trichloroethylene	4,700	U		X	250	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<250	U		X	250	µg/L	EX	EPA8260B

**WELL RWM 4**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/14/99  
 Depth to water: 160.8 ft (49.01 m) below TOC  
 Water elevation: 205.7 ft (62.7 m) msl  
 pH: 5.1  
 Sp. conductance: 23 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 11:40  
 Water temperature: 19.5°C  
 Air temperature: 22.9°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<500	U			500	µg/L	EX	EPA8260B
0 Bromodichloromethane	<500	U			500	µg/L	EX	EPA8260B
0 Bromoform	<500	U			500	µg/L	EX	EPA8260B
0 Bromomethane	<500	U			500	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<500	U			500	µg/L	EX	EPA8260B
0 Chlorobenzene	<500	U			500	µg/L	EX	EPA8260B
0 Chloroethane	<1,000	U			1,000	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<500	U			500	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<500	U			500	µg/L	EX	EPA8260B
0 Chloroform	<500	U			500	µg/L	EX	EPA8260B
0 Chloromethane	<500	U			500	µg/L	EX	EPA8260B
0 Dibromochloromethane	<500	U			500	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<500	U			500	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<500	U			500	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<500	U			500	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<500	U			500	µg/L	EX	EPA8260B
0 Dichloromethane	<500	U			500	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<500	U			500	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<500	U			500	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<500	U			500	µg/L	EX	EPA8260B
0 Ethylbenzene	<500	U			500	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<500	U			500	µg/L	EX	EPA8260B
2 Tetrachloroethylene	1,100	U			500	µg/L	EX	EPA8260B
0 Toluene	<500	U			500	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<500	U			500	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<500	U			500	µg/L	EX	EPA8260B
2 Trichloroethylene	7,000	U			500	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<500	U			500	µg/L	EX	EPA8260B

**WELL RWM 4**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/17/99  
 Depth to water: 161.25 ft (49.15 m) below TOC  
 Water elevation: 205.25 ft (62.56 m) msl  
 pH: 4.3  
 Sp. conductance: 20 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 11:25  
 Water temperature: 20.7°C  
 Air temperature: 26.5°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<500	U		X	500	µg/L	EX	EPA8260B
0 Bromodichloromethane	<500	U		X	500	µg/L	EX	EPA8260B
0 Bromoform	<500	U		X	500	µg/L	EX	EPA8260B
0 Bromomethane	<500	U		X	500	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<500	U		X	500	µg/L	EX	EPA8260B
0 Chlorobenzene	<500	U		X	500	µg/L	EX	EPA8260B
0 Chloroethane	<1,000	U		X	1,000	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<500	U		X	500	µg/L	EX	EPA8260B

**ESH-EMS-990521**

Well RWM 4 collected on 05/17/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 2-Chloroethyl vinyl ether	<500	U		X	500	µg/L	EX	EPA8260B
0 Chloroform	<500	U		X	500	µg/L	EX	EPA8260B
0 Dibromochloromethane	<500	U		X	500	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<500	U		X	500	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<500	U		X	500	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<500	U		X	500	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<500	U		X	500	µg/L	EX	EPA8260B
0 Dichloromethane	<500	U		X	500	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<500	U		X	500	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<500	U		X	500	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<500	U		X	500	µg/L	EX	EPA8260B
0 Ethylbenzene	<500	U		X	500	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<500	U		X	500	µg/L	EX	EPA8260B
2 Tetrachloroethylene	850	U		X	500	µg/L	EX	EPA8260B
0 Toluene	<500	U		X	500	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<500	U		X	500	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<500	U		X	500	µg/L	EX	EPA8260B
2 Trichloroethylene	6,100	U		X	500	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<500	U		X	500	µg/L	EX	EPA8260B

**WELL RWM 4**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/14/99  
 Depth to water: 161.25 ft (49.15 m) below TOC  
 Water elevation: 205.25 ft (62.56 m) msl  
 pH: 5.1  
 Sp. conductance: 23 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 9:00  
 Water temperature: 20.4°C  
 Air temperature: 25.4°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<250	U		X	250	µg/L	EX	EPA8260B
0 Bromodichloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 Bromoform	<250	U		X	250	µg/L	EX	EPA8260B
0 Bromomethane	<250	U		X	250	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<250	U		X	250	µg/L	EX	EPA8260B
0 Chlorobenzene	<250	U		X	250	µg/L	EX	EPA8260B
0 Chloroethane	<500	U		X	500	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<250	U		X	250	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<250	U		X	250	µg/L	EX	EPA8260B
0 Chloroform	<250	U		X	250	µg/L	EX	EPA8260B
0 Chloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 Dibromochloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<250	U		X	250	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<250	U		X	250	µg/L	EX	EPA8260B
0 Dichloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<250	U		X	250	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<250	U		X	250	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<250	U		X	250	µg/L	EX	EPA8260B
0 Ethylbenzene	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<250	U		X	250	µg/L	EX	EPA8260B
2 Tetrachloroethylene	1,300	U		X	250	µg/L	EX	EPA8260B
0 Toluene	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
2 Trichloroethylene	7,600	U		X	250	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<250	U		X	250	µg/L	EX	EPA8260B

## WELL RWM 5

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 156.6 ft (47.73 m) below TOC  
 Water elevation: 210.3 ft (64.1 m) msl  
 pH: 5.2  
 Sp. conductance: 29 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 9:50  
 Water temperature: 19°C  
 Air temperature: 16.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Bromodichloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Bromoform	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Bromomethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Chlorobenzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Chloroethane	<100	U			100	µg/L	EX	EPA8260B
0 Chloroethene (Vinyl chloride)	<50.0	U			50.0	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Chloroform	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Chloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Dibromochloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Dichloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Ethylbenzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
2 Tetrachloroethylene	720				50.0	µg/L	EX	EPA8260B
0 Toluene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
2 Trichloroethylene	550				50.0	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<50.0	U			50.0	µg/L	EX	EPA8260B

## WELL RWM 5

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/18/99  
 Depth to water: 157.1 ft (47.88 m) below TOC  
 Water elevation: 209.8 ft (63.95 m) msl  
 pH: 4.2  
 Sp. conductance: 25 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 9:30  
 Water temperature: 22.3°C  
 Air temperature: 26.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<100	U			100	µg/L	EX	EPA8260B
0 Bromodichloromethane	<100	U			100	µg/L	EX	EPA8260B
0 Bromoform	<100	U			100	µg/L	EX	EPA8260B
0 Bromomethane	<100	U			100	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<100	U			100	µg/L	EX	EPA8260B
0 Chlorobenzene	<100	U			100	µg/L	EX	EPA8260B
0 Chloroethane	<200	U			200	µg/L	EX	EPA8260B
0 Chloroethene (Vinyl chloride)	<100	U			100	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<100	U			100	µg/L	EX	EPA8260B
0 Chloroform	<100	U			100	µg/L	EX	EPA8260B
0 Chloromethane	<100	U			100	µg/L	EX	EPA8260B
0 Dibromochloromethane	<100	U			100	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<100	U			100	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<100	U			100	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<100	U			100	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<100	U			100	µg/L	EX	EPA8260B
0 Dichloromethane	<100	U			100	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<100	U			100	µg/L	EX	EPA8260B

Well RWM 5 collected on 05/18/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 cis-1,3-Dichloropropane	<100	U			100	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<100	U			100	µg/L	EX	EPA8260B
0 Ethylbenzene	<100	U			100	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<100	U			100	µg/L	EX	EPA8260B
2 Tetrachloroethylene	540				100	µg/L	EX	EPA8260B
0 Toluene	<100	U			100	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<100	U			100	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<100	U			100	µg/L	EX	EPA8260B
2 Trichloroethylene	1,400				100	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<100	U			100	µg/L	EX	EPA8260B

## WELL RWM 5

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/14/99  
 Depth to water: 157.4 ft (47.98 m) below TOC  
 Water elevation: 209.5 ft (63.86 m) msl  
 pH: 4.9  
 Sp. conductance: 28 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 10:00  
 Water temperature: 20.8°C  
 Air temperature: 29.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Bromodichloromethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Bromoform	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Bromomethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Chlorobenzene	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Chloroethane	<100	JU	L	OX	100	µg/L	EX	EPA8260B
0 Chloroethene (Vinyl chloride)	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Chloroform	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Chloromethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Dibromochloromethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Dichloromethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Ethylbenzene	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
2 Tetrachloroethylene	590	J	L	OX	50.0	µg/L	EX	EPA8260B
0 Toluene	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
2 Trichloroethylene	1,500	J	L	OX	50.0	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B

## WELL RWM 6

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 144.05 ft (43.91 m) below TOC  
 Water elevation: 205.05 ft (62.5 m) msl  
 pH: 5  
 Sp. conductance: 32 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 12:35  
 Water temperature: 20.2°C  
 Air temperature: 24.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<250	U			250	µg/L	EX	EPA8260B
0 Bromodichloromethane	<250	U			250	µg/L	EX	EPA8260B
0 Bromoform	<250	U			250	µg/L	EX	EPA8260B

**ANALYTICAL RESULTS**

**Well RWM 6 collected on 04/14/99 (cont.)**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Bromomethane	<250	U			250	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<250	U			250	µg/L	EX	EPA8260B
0 Chlorobenzene	<250	U			250	µg/L	EX	EPA8260B
0 Chloroethane	<250	U			250	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<250	U			250	µg/L	EX	EPA8260B
0 Chloroform	<250	U			250	µg/L	EX	EPA8260B
0 Chloromethane	<250	U			250	µg/L	EX	EPA8260B
0 Dibromochloromethane	<250	U			250	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<250	U			250	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<250	U			250	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<250	U			250	µg/L	EX	EPA8260B
0 Dichloromethane	<250	U			250	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<250	U			250	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<250	U			250	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<250	U			250	µg/L	EX	EPA8260B
0 Ethylbenzene	<250	U			250	µg/L	EX	EPA8260B
0 Chloroethane	<250	U			250	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<250	U			250	µg/L	EX	EPA8260B
2 Tetrachloroethylene	3,500							
0 Toluene	<250	U			250	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<250	U			250	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<250	U			250	µg/L	EX	EPA8260B
2 Trichloroethylene	<250							
0 Trichlorofluoromethane	<250	U			250	µg/L	EX	EPA8260B

**WELL RWM 6**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/17/99  
Depth to water: 142.3 ft (43.37 m) below TOC  
Water elevation: 206.8 ft (63.03 m) msl  
pH: 4.3  
Sp. conductance: 29 µS/cm  
Turbidity: 1 NTU  
The well was continuously pumping.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<100	U		X	100	µg/L	EX	EPA8260B
0 Bromodichloromethane	<100	U		X	100	µg/L	EX	EPA8260B
0 Bromoform	<100	U		X	100	µg/L	EX	EPA8260B
0 Bromomethane	<100	U		X	100	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<100	U		X	100	µg/L	EX	EPA8260B
0 Chlorobenzene	<100	U		X	100	µg/L	EX	EPA8260B
0 Chloroethane	<200	U		X	200	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<100	U		X	100	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<100	U		X	100	µg/L	EX	EPA8260B
0 Chloroform	<100	U		X	100	µg/L	EX	EPA8260B
0 Chloromethane	<100	U		X	100	µg/L	EX	EPA8260B
0 Dibromochloromethane	<100	U		X	100	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<100	U		X	100	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<100	U		X	100	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<100	U		X	100	µg/L	EX	EPA8260B
0 Dichloromethane	<100	U		X	100	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<100	U		X	100	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<100	U		X	100	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<100	U		X	100	µg/L	EX	EPA8260B
0 Ethylbenzene	<100	U		X	100	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<100	U		X	100	µg/L	EX	EPA8260B
2 Tetrachloroethylene	5,000							
0 Toluene	<100	U		X	100	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<100	U		X	100	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<100	U		X	100	µg/L	EX	EPA8260B
2 Trichloroethylene	<100							
0 Trichlorofluoromethane	<100	U		X	100	µg/L	EX	EPA8260B

**ESH-EMS-990521**

**WELL RWM 6**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/14/99  
Depth to water: 144.05 ft (43.91 m) below TOC  
Water elevation: 205.05 ft (62.5 m) msl  
pH: 4.9  
Sp. conductance: 31 µS/cm  
Turbidity: 0 NTU  
The well was continuously pumping.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<250	U		X	250	µg/L	EX	EPA8260B
0 Bromodichloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 Bromoform	<250	U		X	250	µg/L	EX	EPA8260B
0 Bromomethane	<250	U		X	250	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<250	U		X	250	µg/L	EX	EPA8260B
0 Chlorobenzene	<250	U		X	250	µg/L	EX	EPA8260B
0 Chloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<250	U		X	250	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<250	U		X	250	µg/L	EX	EPA8260B
0 Chloroform	<250	U		X	250	µg/L	EX	EPA8260B
0 Chloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 Dibromochloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<250	U		X	250	µg/L	EX	EPA8260B
0 Dichloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<250	U		X	250	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<250	U		X	250	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<250	U		X	250	µg/L	EX	EPA8260B
0 Ethylbenzene	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<250	U		X	250	µg/L	EX	EPA8260B
2 Tetrachloroethylene	4,000							
0 Toluene	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
2 Trichloroethylene	2,800							
0 Trichlorofluoromethane	<250	U		X	250	µg/L	EX	EPA8260B

**WELL RWM 7**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/14/99  
Depth to water: 151.2 ft (46.09 m) below TOC  
Water elevation: 197.8 ft (60.29 m) msl  
pH: 4.7  
Sp. conductance: 62 µS/cm  
Turbidity: 1 NTU  
The well was continuously pumping.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<250	U		X	250	µg/L	EX	EPA8260B
0 Bromodichloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 Bromoform	<250	U		X	250	µg/L	EX	EPA8260B
0 Bromomethane	<250	U		X	250	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<250	U		X	250	µg/L	EX	EPA8260B
0 Chlorobenzene	<250	U		X	250	µg/L	EX	EPA8260B
0 Chloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<250	U		X	250	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<250	U		X	250	µg/L	EX	EPA8260B
0 Chloroform	<250	U		X	250	µg/L	EX	EPA8260B
0 Chloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 Dibromochloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<250	U		X	250	µg/L	EX	EPA8260B
0 Dichloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<250	U		X	250	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<250	U		X	250	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<250	U		X	250	µg/L	EX	EPA8260B
0 Ethylbenzene	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<250	U		X	250	µg/L	EX	EPA8260B
2 Tetrachloroethylene	<250							
0 Toluene	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
2 Trichloroethylene	<250							
0 Trichlorofluoromethane	<250	U		X	250	µg/L	EX	EPA8260B

**B-195**

**Second Quarter 1999**

Well RWM 7 collected on 04/14/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,1,2,2-Tetrachloroethane	<250				250	µg/L	EX	EPA8260B
2	Tetrachloroethylene	8,300				250	µg/L	EX	EPA8260B
0	Toluene	<250	U			250	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<250	U			250	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<250	U			250	µg/L	EX	EPA8260B
2	Trichloroethylene	7,000				250	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<250	U			250	µg/L	EX	EPA8260B

**WELL RWM 7**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/17/99  
 Depth to water: 152.45 ft (46.47 m) below TOC  
 Water elevation: 196.55 ft (59.91 m) msl  
 pH: 4.1  
 Sp. conductance: 62 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 13:45  
 Water temperature: 21.3°C  
 Air temperature: 29.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<250	U		X	250	µg/L	EX	EPA8260B
0	Bromodichloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0	Bromoform	<250	U		X	250	µg/L	EX	EPA8260B
0	Bromomethane	<250	U		X	250	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<250	U		X	250	µg/L	EX	EPA8260B
0	Chlorobenzene	<250	U		X	250	µg/L	EX	EPA8260B
0	Chloroethane	<500	U		X	500	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<250	U		X	250	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<250	U		X	250	µg/L	EX	EPA8260B
0	Chloroform	<250	U		X	250	µg/L	EX	EPA8260B
0	Chloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0	Dibromochloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<250	U		X	250	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<250	U		X	250	µg/L	EX	EPA8260B
0	Dichloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<250	U		X	250	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<250	U		X	250	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<250	U		X	250	µg/L	EX	EPA8260B
0	Ethylbenzene	<250	U		X	250	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<250	U		X	250	µg/L	EX	EPA8260B
2	Tetrachloroethylene	7,500			X	250	µg/L	EX	EPA8260B
0	Toluene	<250	U		X	250	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
2	Trichloroethylene	6,100			X	250	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<250	U		X	250	µg/L	EX	EPA8260B

**WELL RWM 7**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/14/99  
 Depth to water: 151.05 ft (46.04 m) below TOC  
 Water elevation: 197.95 ft (60.34 m) msl  
 pH: 4.6  
 Sp. conductance: 62 µS/cm  
 Turbidity: 0 NTU

Time: 13:00  
 Water temperature: 20.7°C  
 Air temperature: 34.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<500	U			500	µg/L	EX	EPA8260B
0	Bromodichloromethane	<500	U			500	µg/L	EX	EPA8260B
0	Bromoform	<500	U			500	µg/L	EX	EPA8260B
0	Bromomethane	<500	U			500	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<500	U			500	µg/L	EX	EPA8260B
0	Chlorobenzene	<500	U			500	µg/L	EX	EPA8260B
0	Chloroethane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<500	U			500	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<500	U			500	µg/L	EX	EPA8260B
0	Chloroform	<500	U			500	µg/L	EX	EPA8260B

ESH-EMS-990521

Well RWM 7 collected on 06/14/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloromethane	<500	U			500	µg/L	EX	EPA8260B
0	Dibromochloromethane	<500	U			500	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<500	U			500	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<500	U			500	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<500	U			500	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<500	U			500	µg/L	EX	EPA8260B
0	Dichloromethane	<500	U			500	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<500	U			500	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<500	U			500	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<500	U			500	µg/L	EX	EPA8260B
0	Ethylbenzene	<500	U			500	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<500	U			500	µg/L	EX	EPA8260B
2	Tetrachloroethylene	9,600				500	µg/L	EX	EPA8260B
0	Toluene	<500	U			500	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<500	U			500	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<500	U			500	µg/L	EX	EPA8260B
2	Trichloroethylene	7,200				500	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<500	U			500	µg/L	EX	EPA8260B

**WELL RWM 8**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 145.1 ft (44.23 m) below TOC  
 Water elevation: 203.2 ft (61.94 m) msl  
 pH: 5  
 Sp. conductance: 100 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 12:00  
 Water temperature: 19.8°C  
 Air temperature: 23.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Bromodichloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Bromoform	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Bromomethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chlorobenzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chloroethane	<100	U			100	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<50.0	U			50.0	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chloroform	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Dibromochloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Dichloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Ethylbenzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
2	Tetrachloroethylene	470				50.0	µg/L	EX	EPA8260B
0	Toluene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
2	Trichloroethylene	860				50.0	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<50.0	U			50.0	µg/L	EX	EPA8260B

**WELL RWM 8**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/14/99  
 Depth to water: 145.65 ft (44.39 m) below TOC  
 Water elevation: 202.65 ft (61.77 m) msl  
 pH: 5.1  
 Sp. conductance: 210 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 8:30  
 Water temperature: 19.4°C  
 Air temperature: 24.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYTICAL RESULTS**

Well RWM 8 collected on 06/14/99 (cont.)

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Bromodichloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Bromoform	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Bromomethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chlorobenzene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chloroethane	<100	U		X	100	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chloroform	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Dibromochloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Dichloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Ethylbenzene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
2	Tetrachloroethylene	980	U		X	50.0	µg/L	EX	EPA8260B
0	Toluene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
2	Trichloroethylene	1,400	U		X	50.0	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B

**WELL RWM 9**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/14/99  
 Depth to water: 158.4 ft (48.28 m) below TOC  
 Water elevation: 222.2 ft (67.73 m) msl  
 pH: 5.4  
 Sp. conductance: 51 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 9:35  
 Water temperature: 18.5°C  
 Air temperature: 15.3°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
2	Tetrachloroethylene	6.00	J	K	O	5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
2	Trichloroethylene	150	J	K	O	5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B

**WELL RWM 9**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/17/99  
 Depth to water: 159.4 ft (48.59 m) below TOC  
 Water elevation: 221.2 ft (67.42 m) msl  
 pH: 4.9  
 Sp. conductance: 45 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 14:45  
 Water temperature: 21.6°C  
 Air temperature: 30.9°C  
 Total alkalinity (as CaCO3): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Bromodichloromethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Bromoform	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Bromomethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Chlorobenzene	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Chloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Chloroform	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Chloromethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Dibromochloromethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Dichloromethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Ethylbenzene	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	Toluene	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B
2	Trichloroethylene	160	U		X	25.0	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<25.0	U		X	25.0	µg/L	EX	EPA8260B

**WELL RWM 10**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/14/99  
 Depth to water: 163.15 ft (49.73 m) below TOC  
 Water elevation: 192.35 ft (58.63 m) msl  
 pH: 4.9  
 Sp. conductance: 84 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 12:15  
 Water temperature: 19.8°C  
 Air temperature: 24.5°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<500	U			500	µg/L	EX	EPA8260B
0	Bromodichloromethane	<500	U			500	µg/L	EX	EPA8260B
0	Bromoform	<500	U			500	µg/L	EX	EPA8260B
0	Bromomethane	<500	U			500	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<500	U			500	µg/L	EX	EPA8260B
0	Chlorobenzene	<500	U			500	µg/L	EX	EPA8260B
0	Chloroethane	<1,000	U			1,000	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<500	U			500	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<500	U			500	µg/L	EX	EPA8260B
0	Chloroform	<500	U			500	µg/L	EX	EPA8260B
0	Chloromethane	<500	U			500	µg/L	EX	EPA8260B
0	Dibromochloromethane	<500	U			500	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<500	U			500	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<500	U			500	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<500	U			500	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<500	U			500	µg/L	EX	EPA8260B
0	Dichloromethane	<500	U			500	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<500	U			500	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<500	U			500	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<500	U			500	µg/L	EX	EPA8260B
0	Ethylbenzene	<500	U			500	µg/L	EX	EPA8260B

Well RWM 10 collected on 04/14/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 1,1,2,2-Tetrachloroethane	<500	U			500	µg/L	EX	EPA8260B
2 Tetrachloroethylene	9,100				500	µg/L	EX	EPA8260B
0 Toluene	<500	U			500	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<500	U			500	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<500	U			500	µg/L	EX	EPA8260B
2 Trichloroethylene	5,700				500	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<500	U			500	µg/L	EX	EPA8260B

**WELL RWM 10**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/17/99  
 Depth to water: 166.83 ft (50.85 m) below TOC  
 Water elevation: 188.67 ft (57.51 m) msl  
 pH: 4.4  
 Sp. conductance: 84 µS/cm  
 Turbidity: 2 NTU  
 The well was continuously pumping.

Time: 9:21  
 Water temperature: 20.2°C  
 Air temperature: 21.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<250	U		X	250	µg/L	EX	EPA8260B
0 Bromodichloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 Bromoform	<250	U		X	250	µg/L	EX	EPA8260B
0 Bromomethane	<250	U		X	250	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<250	U		X	250	µg/L	EX	EPA8260B
0 Chlorobenzene	<250	U		X	250	µg/L	EX	EPA8260B
0 Chloroethane	<500	U		X	500	µg/L	EX	EPA8260B
0 Chloroethene (Vinyl chloride)	<250	U		X	250	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<250	U		X	250	µg/L	EX	EPA8260B
0 Chloroform	<250	U		X	250	µg/L	EX	EPA8260B
0 Chloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 Dibromochloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<250	U		X	250	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<250	U		X	250	µg/L	EX	EPA8260B
0 Dichloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<250	U		X	250	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropane	<250	U		X	250	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropane	<250	U		X	250	µg/L	EX	EPA8260B
0 Ethylbenzene	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<250	U		X	250	µg/L	EX	EPA8260B
2 Tetrachloroethylene	7,200			X	250	µg/L	EX	EPA8260B
0 Toluene	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
2 Trichloroethylene	4,600			X	250	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<250	U		X	250	µg/L	EX	EPA8260B

**WELL RWM 10**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/14/99  
 Depth to water: 165.7 ft (50.51 m) below TOC  
 Water elevation: 189.8 ft (57.85 m) msl  
 pH: 5.1  
 Sp. conductance: 78 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 8:15  
 Water temperature: 19.5°C  
 Air temperature: 24°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<250	U		X	250	µg/L	EX	EPA8260B
0 Bromodichloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 Bromoform	<250	U		X	250	µg/L	EX	EPA8260B
0 Bromomethane	<250	U		X	250	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<250	U		X	250	µg/L	EX	EPA8260B
0 Chlorobenzene	<250	U		X	250	µg/L	EX	EPA8260B
0 Chloroethane	<500	U		X	500	µg/L	EX	EPA8260B
0 Chloroethene (Vinyl chloride)	<250	U		X	250	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<250	U		X	250	µg/L	EX	EPA8260B

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Well RWM 10 collected on 06/14/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Chloroform	<250	U		X	250	µg/L	EX	EPA8260B
0 Chloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 Dibromochloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<250	U		X	250	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<250	U		X	250	µg/L	EX	EPA8260B
0 Dichloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<250	U		X	250	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropane	<250	U		X	250	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropane	<250	U		X	250	µg/L	EX	EPA8260B
0 Ethylbenzene	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<250	U		X	250	µg/L	EX	EPA8260B
2 Tetrachloroethylene	9,700			X	250	µg/L	EX	EPA8260B
0 Toluene	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
2 Trichloroethylene	5,800			X	250	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<250	U		X	250	µg/L	EX	EPA8260B

**WELL RWM 11**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 172.05 ft (52.44 m) below TOC  
 Water elevation: 211.25 ft (64.39 m) msl  
 pH: 4.8  
 Sp. conductance: 29 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 9:25  
 Water temperature: 19.1°C  
 Air temperature: 14.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Bromodichloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Bromoform	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Bromomethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Chlorobenzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Chloroethane	<100	U			100	µg/L	EX	EPA8260B
0 Chloroethene (Vinyl chloride)	<50.0	U			50.0	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Chloroform	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Chloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Dibromochloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Dichloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Ethylbenzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
2 Tetrachloroethylene	44.0	J			50.0	µg/L	EX	EPA8260B
0 Toluene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
2 Trichloroethylene	270				50.0	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<50.0	U			50.0	µg/L	EX	EPA8260B

**WELL RWM 11**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/18/99  
 Depth to water: 172.7 ft (52.64 m) below TOC  
 Water elevation: 210.6 ft (64.19 m) msl  
 pH: 4  
 Sp. conductance: 26 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 9:55  
 Water temperature: 22°C  
 Air temperature: 28.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

Well RWM 11 collected on 05/18/99 (cont.)

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<100	U			100	µg/L	EX	EPA8260B
0	Bromodichloromethane	<100	U			100	µg/L	EX	EPA8260B
0	Bromoforn	<100	U			100	µg/L	EX	EPA8260B
0	Bromomethane	<100	U			100	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<100	U			100	µg/L	EX	EPA8260B
0	Chlorobenzene	<100	U			100	µg/L	EX	EPA8260B
0	Chloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<100	U			100	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<100	U			100	µg/L	EX	EPA8260B
0	Chloroform	<100	U			100	µg/L	EX	EPA8260B
0	Dibromochloromethane	<100	U			100	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<100	U			100	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<100	U			100	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<100	U			100	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<100	U			100	µg/L	EX	EPA8260B
0	Dichloromethane	<100	U			100	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<100	U			100	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<100	U			100	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<100	U			100	µg/L	EX	EPA8260B
0	Ethylbenzene	<100	U			100	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<100	U			100	µg/L	EX	EPA8260B
2	Tetrachloroethylene	48.0	J	I		100	µg/L	EX	EPA8260B
0	Toluene	<100	U			100	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<100	U			100	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<100	U			100	µg/L	EX	EPA8260B
2	Trichloroethylene	590	U			100	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<100	U			100	µg/L	EX	EPA8260B

**WELL RWM 11**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/14/99  
 Depth to water: 172.8 ft (52.67 m) below TOC  
 Water elevation: 210.5 ft (64.16 m) msl  
 pH: 4.8  
 Sp. conductance: 28 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 10:25  
 Water temperature: 21.3°C  
 Air temperature: 31.1°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Benzene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Bromodichloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Bromodichloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Bromoform	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Bromoform	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Bromomethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Bromomethane	<100	U			100	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chlorobenzene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chlorobenzene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chloroethane	<100	U		X	100	µg/L	EX	EPA8260B
0	Chloroethane	<100	U		X	100	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<100	U			100	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<100	U			100	µg/L	EX	EPA8260B
0	Chloroform	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chloroform	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chloromethane	<100	U			100	µg/L	EX	EPA8260B
0	Dibromochloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Dibromochloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<50.0	U		X	50.0	µg/L	EX	EPA8260B

**ESH-EMS-990521**

Well RWM 11 collected on 06/14/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	trans-1,2-Dichloroethylene	<50.0	U			50.0	µg/L	WA	EPA8260B
0	Dichloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Dichloromethane	<52.2	U	V		50.0	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<50.0	U		X	50.0	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<50.0	U		X	50.0	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<50.0	U		X	50.0	µg/L	WA	EPA8260B
0	Ethylbenzene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Ethylbenzene	<50.0	U		X	50.0	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<50.0	U		X	50.0	µg/L	WA	EPA8260B
2	Tetrachloroethylene	70.0	U		X	50.0	µg/L	EX	EPA8260B
2	Tetrachloroethylene	48.7	J	I		50.0	µg/L	WA	EPA8260B
0	Toluene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Toluene	<50.0	U		X	50.0	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<50.0	U		X	50.0	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<50.0	U		X	50.0	µg/L	WA	EPA8260B
2	Trichloroethylene	1,000	U		X	50.0	µg/L	EX	EPA8260B
2	Trichloroethylene	746	U		X	50.0	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<50.0	U		X	50.0	µg/L	WA	EPA8260B
0	Xylenes	<50.0	U			50.0	µg/L	WA	EPA8260B

**WELL RWM 11 Replicate**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/14/99  
 Depth to water: 172.8 ft (52.67 m) below TOC  
 Water elevation: 210.5 ft (64.16 m) msl  
 pH: 4.8  
 Sp. conductance: 28 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 10:25  
 Water temperature: 21.3°C  
 Air temperature: 31.1°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Bromodichloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Bromoform	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Bromomethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chlorobenzene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chloroethane	<100	U		X	100	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chloroform	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Dibromochloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Dichloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Ethylbenzene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
2	Tetrachloroethylene	64.0	U		X	50.0	µg/L	EX	EPA8260B
0	Toluene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
2	Trichloroethylene	910	U		X	50.0	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B

**WELL RWM 12**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 146.9 ft (44.78 m) below TOC  
 Water elevation: 212.5 ft (64.77 m) msl  
 pH: 4.9  
 Sp. conductance: 42 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 8:30  
 Water temperature: 17.8°C  
 Air temperature: 11.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Benzene	<250	U			250	µg/L	EX	EPA8260B
0	Bromodichloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Bromodichloromethane	<250	U			250	µg/L	EX	EPA8260B
0	Bromofom	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Bromofom	<250	U			250	µg/L	EX	EPA8260B
0	Bromomethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Bromomethane	<250	U			250	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<250	U			250	µg/L	EX	EPA8260B
0	Chlorobenzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chlorobenzene	<250	U			250	µg/L	EX	EPA8260B
0	Chloroethane	<100	U			100	µg/L	EX	EPA8260B
0	Chloroethane	<500	U			500	µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<250	U			250	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<50.0	U			50.0	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<250	U			250	µg/L	EX	EPA8260B
0	Chloroform	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chloroform	<250	U			250	µg/L	EX	EPA8260B
0	Chloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chloromethane	<250	U			250	µg/L	EX	EPA8260B
0	Dibromochloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Dibromochloromethane	<250	U			250	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<250	U			250	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<250	U			250	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<250	U			250	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<250	U			250	µg/L	EX	EPA8260B
0	Dichloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Dichloromethane	<250	U			250	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<250	U			250	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<250	U			250	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<250	U			250	µg/L	EX	EPA8260B
0	Ethylbenzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Ethylbenzene	<250	U			250	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<250	U			250	µg/L	EX	EPA8260B
2	Tetrachloroethylene	13.0	J	IK	O	50.0	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<250	U			250	µg/L	EX	EPA8260B
0	Toluene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Toluene	<250	U			250	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<250	U			250	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<250	U			250	µg/L	EX	EPA8260B
2	Trichloroethylene	2,200	J	K	O	50.0	µg/L	EX	EPA8260B
2	Trichloroethylene	2,000	U			250	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<250	U			250	µg/L	EX	EPA8260B

ESH-EMS-990521

**WELL RWM 12**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/18/99  
 Depth to water: 146.9 ft (44.78 m) below TOC  
 Water elevation: 212.5 ft (64.77 m) msl  
 pH: 4.4  
 Sp. conductance: 39 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 10:42  
 Water temperature: 20.2°C  
 Air temperature: 29.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<100	U			100	µg/L	EX	EPA8260B
0	Bromodichloromethane	<100	U			100	µg/L	EX	EPA8260B
0	Bromofom	<100	U			100	µg/L	EX	EPA8260B
0	Bromomethane	<100	U			100	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<100	U			100	µg/L	EX	EPA8260B
0	Chlorobenzene	<100	U			100	µg/L	EX	EPA8260B
0	Chloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<100	U			100	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<100	U			100	µg/L	EX	EPA8260B
0	Chloroform	<100	U			100	µg/L	EX	EPA8260B
0	Chloromethane	<100	U			100	µg/L	EX	EPA8260B
0	Dibromochloromethane	<100	U			100	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<100	U			100	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<100	U			100	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<100	U			100	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<100	U			100	µg/L	EX	EPA8260B
0	Dichloromethane	<100	U			100	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<100	U			100	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<100	U			100	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<100	U			100	µg/L	EX	EPA8260B
0	Ethylbenzene	<100	U			100	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<100	U			100	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<100	U			100	µg/L	EX	EPA8260B
0	Toluene	<100	U			100	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<100	U			100	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<100	U			100	µg/L	EX	EPA8260B
2	Trichloroethylene	1,800	U			100	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<100	U			100	µg/L	EX	EPA8260B

**WELL RWM 12**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/14/99  
 Depth to water: 134.8 ft (41.09 m) below TOC  
 Water elevation: 224.6 ft (68.46 m) msl  
 pH: 5.8  
 Sp. conductance: 41 µS/cm  
 Turbidity: 35 NTU  
 The well was continuously pumping.

Time: 11:00  
 Water temperature: 26.7°C  
 Air temperature: 31.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 10 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): N

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Bromodichloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Bromofom	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Bromomethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chlorobenzene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chloroethane	<100	U		X	100	µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chloroform	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Dibromochloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Dichloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Ethylbenzene	<50.0	U		X	50.0	µg/L	EX	EPA8260B

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Second Quarter 1999

**ANALYTICAL RESULTS**

Well RWM 12 collected on 06/14/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 1,1,2,2-Tetrachloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
2 Tetrachloroethylene	18.0	J		X	50.0	µg/L	EX	EPA8260B
0 Toluene	<50.0	U	I	X	50.0	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
2 Trichloroethylene	1,500	U		X	50.0	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B

**WELL RWM 13B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/14/99  
 Depth to water: 133 ft (40.54 m) below TOC  
 Water elevation: 203.2 ft (61.94 m) msf  
 pH: 4.9  
 Sp. conductance: 24 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 12:55  
 Water temperature: 19°C  
 Air temperature: 24.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Bromodichloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Bromochloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Bromoform	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Chlorobenzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Chloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Chloroethene (Vinyl chloride)	<100	U			100	µg/L	EX	EPA8260B
0 Chloroethene (Vinyl chloride)	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Chloroethene (Vinyl chloride)	<50.0	U			50.0	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Chloroform	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Chloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Dibromochloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Dichloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Ethylbenzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
2 Trichloroethylene	870	U			50.0	µg/L	EX	EPA8260B
2 Trichloroethylene	880	U			50.0	µg/L	EX	EPA8260B

**ESH-EMS-990521**

Well RWM 13B collected on 04/14/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Trichlorofluoromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<50.0	U			50.0	µg/L	EX	EPA8260B

**WELL RWM 13B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/18/99  
 Depth to water: 133 ft (40.54 m) below TOC  
 Water elevation: 203.2 ft (61.94 m) msf  
 pH: 4.1  
 Sp. conductance: 18 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 12:40  
 Water temperature: 20.5°C  
 Air temperature: 23.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<100	U			100	µg/L	EX	EPA8260B
0 Bromodichloromethane	<100	U			100	µg/L	EX	EPA8260B
0 Bromoform	<100	U			100	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<100	U			100	µg/L	EX	EPA8260B
0 Chlorobenzene	<100	U			100	µg/L	EX	EPA8260B
0 Chloroethane	<200	U			200	µg/L	EX	EPA8260B
0 Chloroethene (Vinyl chloride)	<100	U			100	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<100	U			100	µg/L	EX	EPA8260B
0 Chloroform	<100	U			100	µg/L	EX	EPA8260B
0 Dibromochloromethane	<100	U			100	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<100	U			100	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<100	U			100	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<100	U			100	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<100	U			100	µg/L	EX	EPA8260B
0 Dichloromethane	<100	U			100	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<100	U			100	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<100	U			100	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<100	U			100	µg/L	EX	EPA8260B
0 Ethylbenzene	<100	U			100	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<100	U			100	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<100	U			100	µg/L	EX	EPA8260B
0 Toluene	<100	U			100	µg/L	EX	EPA8260B
0 1,1-Trichloroethane	<100	U			100	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<100	U			100	µg/L	EX	EPA8260B
2 Trichloroethylene	<100	U			100	µg/L	EX	EPA8260B
2 Trichloroethylene	<100	U			100	µg/L	EX	EPA8260B

**WELL RWM 13B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/14/99  
 Depth to water: 133.1 ft (40.57 m) below TOC  
 Water elevation: 203.1 ft (61.91 m) msf  
 pH: 5.2  
 Sp. conductance: 22 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 12:00  
 Water temperature: 19.4°C  
 Air temperature: 31.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 Bromodichloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 Bromoform	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 Chlorobenzene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 Chloroethane	<100	U		X	100	µg/L	EX	EPA8260B
0 Chloroethene (Vinyl chloride)	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 Chloroethene (Vinyl chloride)	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 Chloroform	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 Dibromochloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B

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**Second Quarter 1999**

Well RWM 13B collected on 06/14/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 1,1-Dichloroethylene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 Dichloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 Ethylbenzene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
2 Tetrachloroethylene	14.0	J	I	X	50.0	µg/L	EX	EPA8260B
0 Toluene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
2 Trichloroethylene	910			X	50.0	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B

**WELL RWM 13C**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99

Depth to water: 128.35 ft (39.12 m) below TOC

Water elevation: 208.05 ft (63.41 m) msl

pH: 5

Sp. conductance: 30 µS/cm

Turbidity: 1 NTU

The well was continuously pumping.

Time: 13:00

Water temperature: 19.1°C

Air temperature: 24.5°C

Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L

Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Bromodichloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Bromoform	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Bromomethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Chlorobenzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Chloroethane	<100	U			100	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<50.0	U			50.0	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Chloroform	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Chloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Dibromochloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Dichloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Ethylbenzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
2 Tetrachloroethylene	25.0	J	IK	O	50.0	µg/L	EX	EPA8260B
0 Toluene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
2 Trichloroethylene	1,300	J	K	O	50.0	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<50.0	U			50.0	µg/L	EX	EPA8260B

**WELL RWM 13C**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/18/99

Depth to water: 128.34 ft (39.12 m) below TOC

Water elevation: 208.06 ft (63.42 m) msl

pH: 4.4

Sp. conductance: 27 µS/cm

Turbidity: 0 NTU

The well was continuously pumping.

Time: 12:55

Water temperature: 20.8°C

Air temperature: 30°C

Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L

Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<100	U			100	µg/L	EX	EPA8260B
0 Bromodichloromethane	<100	U			100	µg/L	EX	EPA8260B

**ESH-EMS-990521**

Well RWM 13C collected on 05/18/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Bromoform	<100	U			100	µg/L	EX	EPA8260B
0 Bromomethane	<100	U			100	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<100	U			100	µg/L	EX	EPA8260B
0 Chlorobenzene	<100	U			100	µg/L	EX	EPA8260B
0 Chloroethane	<200	U			200	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<100	U			100	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<100	U			100	µg/L	EX	EPA8260B
0 Chloroform	<100	U			100	µg/L	EX	EPA8260B
0 Chloromethane	<100	U			100	µg/L	EX	EPA8260B
0 Dibromochloromethane	<100	U			100	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<100	U			100	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<100	U			100	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<100	U			100	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<100	U			100	µg/L	EX	EPA8260B
0 Dichloromethane	<100	U			100	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<100	U			100	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<100	U			100	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<100	U			100	µg/L	EX	EPA8260B
0 Ethylbenzene	<100	U			100	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<100	U			100	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<100	U			100	µg/L	EX	EPA8260B
0 Toluene	<100	U			100	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<100	U			100	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<100	U			100	µg/L	EX	EPA8260B
2 Trichloroethylene	1,000				100	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<100	U			100	µg/L	EX	EPA8260B

**WELL RWM 13C**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/14/99

Depth to water: 128.4 ft (39.14 m) below TOC

Water elevation: 208 ft (63.4 m) msl

pH: 4.9

Sp. conductance: 30 µS/cm

Turbidity: 1 NTU

The well was continuously pumping.

Time: 12:10

Water temperature: 19.5°C

Air temperature: 31.7°C

Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L

Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Bromodichloromethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Bromoform	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Bromomethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Chlorobenzene	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Chloroethane	<100	JU	L	OX	100	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Chloroform	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Chloromethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Dibromochloromethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Dichloromethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 Ethylbenzene	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
2 Tetrachloroethylene	28.0	J	IL	OX	50.0	µg/L	EX	EPA8260B
0 Toluene	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B
2 Trichloroethylene	1,200	J	L	OX	50.0	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<50.0	JU	L	OX	50.0	µg/L	EX	EPA8260B

**B-202****Second Quarter 1999**

**WELL RWM 14B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/14/99  
 Depth to water: 140.7 ft (42.89 m) below TOC  
 Water elevation: 210.5 ft (64.16 m) msl  
 pH: 5.3  
 Sp. conductance: 25 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 8:55  
 Water temperature: 17.4°C  
 Air temperature: 13.2°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Bromodichloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Bromoform	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Bromomethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chlorobenzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chloroethane	<100	U			100	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<50.0	U			50.0	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chloroform	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Chloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Dibromochloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Dichloromethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Ethylbenzene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	Toluene	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<50.0	U			50.0	µg/L	EX	EPA8260B
2	Trichloroethylene	970				50.0	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<50.0	U			50.0	µg/L	EX	EPA8260B

**WELL RWM 14B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/18/99  
 Depth to water: 140.74 ft (42.9 m) below TOC  
 Water elevation: 210.46 ft (64.15 m) msl  
 pH: 4.1  
 Sp. conductance: 20 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 11:50  
 Water temperature: 20.6°C  
 Air temperature: 27.2°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<100	U			100	µg/L	EX	EPA8260B
0	Bromodichloromethane	<100	U			100	µg/L	EX	EPA8260B
0	Bromoform	<100	U			100	µg/L	EX	EPA8260B
0	Bromomethane	<100	U			100	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<100	U			100	µg/L	EX	EPA8260B
0	Chlorobenzene	<100	U			100	µg/L	EX	EPA8260B
0	Chloroethane	<200	U			200	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<100	U			100	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<100	U			100	µg/L	EX	EPA8260B
0	Chloroform	<100	U			100	µg/L	EX	EPA8260B
0	Chloromethane	<100	U			100	µg/L	EX	EPA8260B
0	Dibromochloromethane	<100	U			100	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<100	U			100	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<100	U			100	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<100	U			100	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<100	U			100	µg/L	EX	EPA8260B
0	Dichloromethane	<100	U			100	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<100	U			100	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<100	U			100	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<100	U			100	µg/L	EX	EPA8260B
0	Ethylbenzene	<100	U			100	µg/L	EX	EPA8260B

**ESH-EMS-990521**

**WELL RWM 14B collected on 05/18/99 (cont.)**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,1,2,2-Tetrachloroethane	<100	U			100	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<100	U			100	µg/L	EX	EPA8260B
0	Toluene	<100	U			100	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<100	U			100	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<100	U			100	µg/L	EX	EPA8260B
2	Trichloroethylene	820				100	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<100	U			100	µg/L	EX	EPA8260B

**WELL RWM 14B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/14/99  
 Depth to water: 140.6 ft (42.86 m) below TOC  
 Water elevation: 210.6 ft (64.19 m) msl  
 pH: 5.6  
 Sp. conductance: 24 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 11:25  
 Water temperature: 19.3°C  
 Air temperature: 31.4°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Bromodichloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Bromoform	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Bromomethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chlorobenzene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chloroethane	<100	U		X	100	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chloroform	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Chloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Dibromochloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Dichloromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	Ethylbenzene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
2	Tetrachloroethylene	12.0	J		X	50.0	µg/L	EX	EPA8260B
0	Toluene	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B
2	Trichloroethylene	1,000			X	50.0	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<50.0	U		X	50.0	µg/L	EX	EPA8260B

**WELL RWM 14C**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/14/99  
 Depth to water: 147.9 ft (45.08 m) below TOC  
 Water elevation: 203.5 ft (62.03 m) msl  
 pH: 5.2  
 Sp. conductance: 38 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 9:00  
 Water temperature: 17.1°C  
 Air temperature: 13.4°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<250	U			250	µg/L	EX	EPA8260B
0	Bromodichloromethane	<250	U			250	µg/L	EX	EPA8260B
0	Bromoform	<250	U			250	µg/L	EX	EPA8260B
0	Bromomethane	<250	U			250	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<250	U			250	µg/L	EX	EPA8260B
0	Chlorobenzene	<250	U			250	µg/L	EX	EPA8260B
0	Chloroethane	<500	U			500	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<250	U			250	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<250	U			250	µg/L	EX	EPA8260B

Well RWM 14C collected on 04/14/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Chloroform	<250	U			250	µg/L	EX	EPA8260B
0 Chloromethane	<250	U			250	µg/L	EX	EPA8260B
0 Dibromochloromethane	<250	U			250	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<250	U			250	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<250	U			250	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<250	U			250	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<250	U			250	µg/L	EX	EPA8260B
0 Dichloromethane	<250	U			250	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<250	U			250	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropane	<250	U			250	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropane	<250	U			250	µg/L	EX	EPA8260B
0 Ethylbenzene	<250	U			250	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<250	U			250	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<250	U			250	µg/L	EX	EPA8260B
0 Toluene	<250	U			250	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<250	U			250	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<250	U			250	µg/L	EX	EPA8260B
2 Trichloroethylene	4,300							
0 Trichlorofluoromethane	<250	U			250	µg/L	EX	EPA8260B

## WELL RWM 14C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/18/99  
 Depth to water: 147.95 ft (45.1 m) below TOC  
 Water elevation: 203.45 ft (62.01 m) msl  
 pH: 4.4  
 Sp. conductance: 35 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 12:00  
 Water temperature: 21.5°C  
 Air temperature: 27.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<250	U			250	µg/L	EX	EPA8260B
0 Bromodichloromethane	<250	U			250	µg/L	EX	EPA8260B
0 Bromoform	<250	U			250	µg/L	EX	EPA8260B
0 Bromomethane	<250	U			250	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<250	U			250	µg/L	EX	EPA8260B
0 Chlorobenzene	<250	U			250	µg/L	EX	EPA8260B
0 Chloroethane	<500	U			500	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<250	U			250	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<250	U			250	µg/L	EX	EPA8260B
0 Chloroform	<250	U			250	µg/L	EX	EPA8260B
0 Chloromethane	<250	U			250	µg/L	EX	EPA8260B
0 Dibromochloromethane	<250	U			250	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<250	U			250	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<250	U			250	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<250	U			250	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<250	U			250	µg/L	EX	EPA8260B
0 Dichloromethane	<250	U			250	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<250	U			250	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropane	<250	U			250	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropane	<250	U			250	µg/L	EX	EPA8260B
0 Ethylbenzene	<250	U			250	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<250	U			250	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<250	U			250	µg/L	EX	EPA8260B
0 Toluene	<250	U			250	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<250	U			250	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<250	U			250	µg/L	EX	EPA8260B
2 Trichloroethylene	3,600							
0 Trichlorofluoromethane	<250	U			250	µg/L	EX	EPA8260B

## WELL RWM 14C

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/14/99  
 Depth to water: 147.8 ft (45.05 m) below TOC  
 Water elevation: 203.6 ft (62.06 m) msl  
 pH: 5  
 Sp. conductance: 36 µS/cm  
 Turbidity: 1 NTU  
 The well was continuously pumping.

Time: 11:30  
 Water temperature: 20.4°C  
 Air temperature: 31.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

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B-204

Well RWM 14C collected on 06/14/99 (cont.)

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<250	U		X	250	µg/L	EX	EPA8260B
0 Bromodichloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 Bromoform	<250	U		X	250	µg/L	EX	EPA8260B
0 Bromomethane	<250	U		X	250	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<250	U		X	250	µg/L	EX	EPA8260B
0 Chlorobenzene	<250	U		X	250	µg/L	EX	EPA8260B
0 Chloroethane	<500	U		X	500	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<250	U		X	250	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<250	U		X	250	µg/L	EX	EPA8260B
0 Chloroform	<250	U		X	250	µg/L	EX	EPA8260B
0 Chloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 Dibromochloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<250	U		X	250	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<250	U		X	250	µg/L	EX	EPA8260B
0 Dichloromethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<250	U		X	250	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropane	<250	U		X	250	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropane	<250	U		X	250	µg/L	EX	EPA8260B
0 Ethylbenzene	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<250	U		X	250	µg/L	EX	EPA8260B
2 Tetrachloroethylene	97.0	J	IK	OX	250	µg/L	EX	EPA8260B
0 Toluene	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<250	U		X	250	µg/L	EX	EPA8260B
2 Trichloroethylene	5,600	J	K	OX	250	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<250	U		X	250	µg/L	EX	EPA8260B

## WELL RWM 15B

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 160.7 ft (48.98 m) below TOC  
 Water elevation: 208.8 ft (63.64 m) msl  
 pH: 5.1  
 Sp. conductance: 22 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 13:20  
 Water temperature: 19°C  
 Air temperature: 24.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
2 Trichloroethylene	31.0							
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B

Second Quarter 1999

**ANALYTICAL RESULTS**

**WELL RWM 15B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/18/99  
 Depth to water: 160.3 ft (48.86 m) below TOC  
 Water elevation: 209.2 ft (63.76 m) msl  
 pH: 4.2  
 Sp. conductance: 18 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Bromodichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Bromoform	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Bromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Chlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Chloroethane	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Chloroform	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Chloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Dibromochloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
1 Dichloromethane	3.00	J		X	5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Toluene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
2 Trichloroethylene	22.0	U		X	5.00	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B

Time: 13:25  
 Water temperature: 21.1°C  
 Air temperature: 31.1°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**Well RWM 15B collected on 06/14/99 (cont.)**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/20/99  
 Depth to water: 32.17 ft (9.81 m) below TOC  
 Water elevation: 240.93 ft (73.44 m) msl  
 pH: 4.6  
 Sp. conductance: 40 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 98 gal

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Carbon tetrachloride	<1.00	U		X	1.00	µg/L	WA	EPA8021B
0 Carbon tetrachloride	<1.00	U		X	1.00	µg/L	WA	EPA8021B
0 Chloroform	<1.00	U		X	1.00	µg/L	WA	EPA8021B
0 Chloroform	<1.00	U		X	1.00	µg/L	WA	EPA8021B
0 cis-1,2-Dichloroethylene	14.5	U		X	1.00	µg/L	WA	EPA8021B
0 cis-1,2-Dichloroethylene	15.3	U		X	1.00	µg/L	WA	EPA8021B
2 Tetrachloroethylene	5.60	U		X	1.00	µg/L	WA	EPA8021B
2 Tetrachloroethylene	5.63	U		X	1.00	µg/L	WA	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U		X	1.00	µg/L	WA	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U		X	1.00	µg/L	WA	EPA8021B
2 Trichloroethylene	20.4	J		X	1.00	µg/L	WA	EPA8021B
2 Trichloroethylene	20.8	J		X	1.00	µg/L	WA	EPA8021B

Time: 10:26  
 Water temperature: 21.1°C  
 Air temperature: 26°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**WELL SBG 4**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/20/99  
 Depth to water: 32.17 ft (9.81 m) below TOC  
 Water elevation: 240.93 ft (73.44 m) msl  
 pH: 4.6  
 Sp. conductance: 40 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 98 gal

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Carbon tetrachloride	<1.00	U		X	1.00	µg/L	WA	EPA8021B
0 Carbon tetrachloride	<1.00	U		X	1.00	µg/L	WA	EPA8021B
0 Chloroform	<1.00	U		X	1.00	µg/L	WA	EPA8021B
0 Chloroform	<1.00	U		X	1.00	µg/L	WA	EPA8021B
0 cis-1,2-Dichloroethylene	14.5	U		X	1.00	µg/L	WA	EPA8021B
0 cis-1,2-Dichloroethylene	15.3	U		X	1.00	µg/L	WA	EPA8021B
2 Tetrachloroethylene	5.60	U		X	1.00	µg/L	WA	EPA8021B
2 Tetrachloroethylene	5.63	U		X	1.00	µg/L	WA	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U		X	1.00	µg/L	WA	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U		X	1.00	µg/L	WA	EPA8021B
2 Trichloroethylene	20.4	J		X	1.00	µg/L	WA	EPA8021B
2 Trichloroethylene	20.8	J		X	1.00	µg/L	WA	EPA8021B

Time: 10:26  
 Water temperature: 21.1°C  
 Air temperature: 26°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**WELL SBG 4 Replicate**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/20/99  
 Depth to water: 32.17 ft (9.81 m) below TOC  
 Water elevation: 240.93 ft (73.44 m) msl  
 pH: 4.6  
 Sp. conductance: 40 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 98 gal

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Carbon tetrachloride	<1.00	U		X	1.00	µg/L	WA	EPA8021B
0 Chloroform	1.01	U		X	1.00	µg/L	WA	EPA8021B
0 cis-1,2-Dichloroethylene	15.2	U		X	1.00	µg/L	WA	EPA8021B
2 Tetrachloroethylene	5.84	U		X	1.00	µg/L	WA	EPA8021B
2 1,1,1-Trichloroethane	<1.00	J		X	1.00	µg/L	WA	EPA8021B
2 Trichloroethylene	21.3	J		X	1.00	µg/L	WA	EPA8021B

Time: 10:26  
 Water temperature: 21.1°C  
 Air temperature: 26°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**WELL SRW 2**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/05/99  
 Depth to water: 105.35 ft (32.11 m) below TOC  
 Water elevation: 215.25 ft (65.61 m) msl  
 pH: 4.3  
 Sp. conductance: 75 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 35 gal

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B

Time: 11:23  
 Water temperature: 21.9°C  
 Air temperature: 19.7°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**WELL RWM 15B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/14/99  
 Depth to water: 160.6 ft (48.95 m) below TOC  
 Water elevation: 208.9 ft (63.67 m) msl  
 pH: 5  
 Sp. conductance: 22 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Bromodichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Bromoform	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Bromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Chlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Chloroethane	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Chloroform	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Chloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Dibromochloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
1 Dichloromethane	3.00	J		X	5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Toluene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
2 Trichloroethylene	22.0	U		X	5.00	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B

Time: 12:25  
 Water temperature: 22.8°C  
 Air temperature: 32.9°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**WELL RWM 15B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/14/99  
 Depth to water: 160.6 ft (48.95 m) below TOC  
 Water elevation: 208.9 ft (63.67 m) msl  
 pH: 5  
 Sp. conductance: 22 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Bromodichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Bromoform	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Bromomethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Chlorobenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Chloroethane	<10.0	U		X	10.0	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Chloroform	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Chloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Dibromochloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Dichloromethane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropane	<5.00	U		X	5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	<5.00	U		X	5.00	µg/L	EX	EPA8260B

**ESH-EMS-990521**

Well SRW 2 collected on 05/05/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Bromodichloromethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Bromoform	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U		10.0		µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<5.00	U		5.00		µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Chloroform	8.80	U		5.00		µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Dibromochloromethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Toluene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Trichloroethylene	1.90	J	I	5.00		µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U		5.00		µg/L	EX	EPA8260B

## WELL SRW 4

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/05/99  
 Depth to water: 106.66 ft (32.51 m) below TOC  
 Water elevation: 213.44 ft (65.06 m) msl  
 pH: 4.6  
 Sp. conductance: 120 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 33 gal

Time: 12:22  
 Water temperature: 22.2°C  
 Air temperature: 22.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Bromoform	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U		10.0		µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<5.00	U		5.00		µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Chloroform	5.80	U		5.00		µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Dibromochloromethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Toluene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U		5.00		µg/L	EX	EPA8260B

ESH-EMS-990521

## WELL SRW 7

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/05/99  
 Depth to water: 88.85 ft (27.08 m) below TOC  
 Water elevation: 210.24 ft (64.08 m) msl  
 pH: 4.8  
 Sp. conductance: 29 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 34 gal

Time: 11:46  
 Water temperature: 21.2°C  
 Air temperature: 20.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Bromoform	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U		5.00		µg/L	EX	EPA8260B
1	Carbon tetrachloride	2.80	J	I	5.00		µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U		10.0		µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<5.00	U		5.00		µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Chloroform	3.30	J	I	5.00		µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Dibromochloromethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	1.40	J	I	5.00		µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Toluene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U		5.00		µg/L	EX	EPA8260B

## WELL SRW 8

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/05/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 4.8  
 Sp. conductance: 22 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 146 gal

Time: 10:48  
 Water temperature: 20.6°C  
 Air temperature: 27.9°C  
 Total alkalinity (as CaCO<sub>3</sub>): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Bromoform	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U		10.0		µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<5.00	U		5.00		µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Chloroform	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Dibromochloromethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Dichloromethane	1.90	J	I	5.00		µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U		5.00		µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		5.00		µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	EX	EPA8260B

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Well SRW 12C collected on 05/05/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B

**WELL SRW 16C**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/10/99

Depth to water: 131.43 ft (40.06 m) below TOC

Water elevation: 215.17 ft (65.58 m) msl

pH: 4.6

Sp. conductance: 11 µS/cm

Turbidity: 1 NTU

Water evacuated from the well prior to sampling: 26 gal

Time: 12:36

Water temperature: 20.2°C

Air temperature: 36.8°C

Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L

Phenolphthalein alkalinity: 0 mg/L

Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B

**WELL SRW 17DR**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/05/99

Depth to water: 119.15 ft (36.32 m) below TOC

Water elevation: Not available

pH: 9.6

Sp. conductance: 260 µS/cm

Turbidity: 47 NTU

Water evacuated from the well prior to sampling: 50 gal

Time: 14:13

Water temperature: 23.9°C

Air temperature: 24.1°C

Total alkalinity (as CaCO<sub>3</sub>): 48 mg/L

Phenolphthalein alkalinity: 17 mg/L

Field Qualifier(s): VHN

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B

**ESH-EMS-990521**

Well SRW 17DR collected on 05/05/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B

**WELL SRW 18**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/12/99

Depth to water: 126.75 ft (38.63 m) below TOC

Water elevation: Not available

pH: 5.2

Sp. conductance: 25 µS/cm

Turbidity: 86 NTU

Water evacuated from the well prior to sampling: 84 gal

Time: 12:25

Water temperature: 22.2°C

Air temperature: 20.7°C

Total alkalinity (as CaCO<sub>3</sub>): 2 mg/L

Phenolphthalein alkalinity: 0 mg/L

Field Qualifier(s): VN

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B

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## WELL SRW 19

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/10/99  
 Depth to water: 139 ft (42.37 m) below TOC  
 Water elevation: Not available  
 pH: 6.8  
 Sp. conductance: 130 µS/cm  
 Turbidity: 14 NTU  
 Water evacuated from the well prior to sampling: 13 gal

Time: 11:43  
 Water temperature: 23.5°C  
 Air temperature: 31.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 49 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	Bromodichloromethane	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	Bromoform	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	Bromomethane	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	Carbon tetrachloride	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	Chlorobenzene	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	Chloroethane	Δ10.00	U		10.00		µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	Chloroform	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	Chloromethane	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	Dibromochloromethane	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1-Dichloroethane	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	1,2-Dichloroethane	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	Dichloromethane	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	1,2-Dichloropropane	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	Ethylbenzene	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	Tetrachloroethylene	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	Toluene	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	Trichloroethylene	Δ5.00	U		5.00		µg/L	EX	EPA8260B
0	Trichlorofluoromethane	Δ5.00	U		5.00		µg/L	EX	EPA8260B

## WELL TBG 1

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/05/99  
 Depth to water: 54.51 ft (16.61 m) below TOC  
 Water elevation: 96.69 ft (29.47 m) msl  
 pH: 4.8  
 Sp. conductance: 94 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 20 gal

Time: 8:50  
 Water temperature: 21.6°C  
 Air temperature: 18.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	82.1	J	I		200	µg/L	EX	EPA6010B
0	Boron, total recoverable	13.0	J	I		100	µg/L	EX	EPA6010B
2	Carbon tetrachloride	7.50	J	L		1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Iron, total recoverable	11.4	J	I		200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
2	Manganese, total recoverable	52.9	J	I		10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A
1	Nitrate as nitrogen	6,150	J	Q		200	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
2	Trichloroethylene	7.70	J	L		1.00	µg/L	EX	EPA8021B
0	Gross alpha	6.81E-09±1.33E-09				5.90E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.42E-09±1.23E-09	J	I		1.84E-09	µCi/mL	TM	EPA900.0M

## WELL TBG 3

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/07/99  
 Depth to water: 52.02 ft (15.86 m) below TOC  
 Water elevation: 99.18 ft (30.23 m) msl  
 pH: 4.2  
 Sp. conductance: 170 µS/cm  
 Turbidity: 14 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 10:30  
 Water temperature: 25.3°C  
 Air temperature: 23.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	481				200	µg/L	EX	EPA6010B
0	Boron, total recoverable	35.6	J	I		100	µg/L	EX	EPA6010B
2	Carbon tetrachloride	130	J	L		1.00	µg/L	EX	EPA8021B
2	Carbon tetrachloride	190				10.0	µg/L	EX	EPA8021B
0	Chloroform	9.60				1.00	µg/L	EX	EPA8021B
0	Chloroform	12.0	J	K		10.0	µg/L	EX	EPA8021B
1	cis-1,2-Dichloroethylene	53.0				1.00	µg/L	EX	EPA8021B
2	cis-1,2-Dichloroethylene	70.0	J	K		10.0	µg/L	EX	EPA8021B
2	Iron, total recoverable	472				200	µg/L	EX	EPA6010B
1	Lead, total recoverable	25.5				10.0	µg/L	EX	EPA6010B
2	Manganese, total recoverable	329				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	0.870				0.500	µg/L	EX	EPA7470A
2	Nitrate as nitrogen	18,000				500	µg/L	EX	EPA300.0
2	Tetrachloroethylene	9.00				1.00	µg/L	EX	EPA8021B
2	Tetrachloroethylene	10.0	J	K		10.0	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U	U		1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<10.0	U	U		1.00	µg/L	EX	EPA8021B
2	Trichloroethylene	160	J	L		1.00	µg/L	EX	EPA8021B
2	Trichloroethylene	310				10.0	µg/L	EX	EPA8021B
2	Gross alpha	3.12E-08±3.56E-09				1.77E-09	µCi/mL	TM	EPA900.0M
2	Gross alpha	2.91E-08±3.08E-09				9.00E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.82E-08±1.90E-09				1.87E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.75E-08±1.69E-09				1.54E-09	µCi/mL	TM	EPA900.0M

## WELL TBG 4

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/07/99  
 Depth to water: 50.95 ft (15.53 m) below TOC  
 Water elevation: 100.35 ft (30.59 m) msl  
 pH: 4  
 Sp. conductance: 230 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 32 gal

Time: 9:55  
 Water temperature: 24.4°C  
 Air temperature: 21.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	563				200	µg/L	EX	EPA6010B
0	Boron, total recoverable	20.0	J	I		100	µg/L	EX	EPA6010B
2	Carbon tetrachloride	140	J	L		1.00	µg/L	EX	EPA8021B
2	Carbon tetrachloride	200	J	K		10.0	µg/L	EX	EPA8021B
0	Chloroform	8.80				1.00	µg/L	EX	EPA8021B
0	Chloroform	13.0	J	K		10.0	µg/L	EX	EPA8021B
2	cis-1,2-Dichloroethylene	140	J	L		1.00	µg/L	EX	EPA8021B
2	cis-1,2-Dichloroethylene	210	J	K		10.0	µg/L	EX	EPA8021B
0	Iron, total recoverable	27.1	J	I		200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
2	Manganese, total recoverable	330				10.0	µg/L	EX	EPA6010B
2	Mercury, total recoverable	2.33				0.500	µg/L	EX	EPA7470A
2	Nitrate as nitrogen	24,200				500	µg/L	EX	EPA300.0
2	Tetrachloroethylene	31.0				1.00	µg/L	EX	EPA8021B
2	Tetrachloroethylene	41.0	J	K		10.0	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U	U		1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<10.0	U	U		1.00	µg/L	EX	EPA8021B
2	Trichloroethylene	190	J	L		1.00	µg/L	EX	EPA8021B
2	Trichloroethylene	500	J	K		10.0	µg/L	EX	EPA8021B
2	Gross alpha	3.73E-08±3.73E-09				1.20E-09	µCi/mL	TM	EPA900.0M
1	Nonvolatile beta	2.77E-08±2.10E-09				1.61E-09	µCi/mL	TM	EPA900.0M

## WELL TBG 5

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/07/99  
 Depth to water: 49.2 ft (15 m) below TOC  
 Water elevation: 100.2 ft (30.54 m) msl  
 pH: 4.8  
 Sp. conductance: 61 µS/cm  
 Turbidity: 3 NTU  
 Water evacuated from the well prior to sampling: 10 gal

Time: 8:57  
 Water temperature: 24.5°C  
 Air temperature: 18.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	104	J	I		200	µg/L	EX	EPA6010B
0	Boron, total recoverable	9.71	J	I		100	µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Carbon tetrachloride	<100	U			100	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<100	U			100	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<100	U			100	µg/L	EX	EPA8021B
0	Iron, total recoverable	57.6	J	I		200	µg/L	EX	EPA6010B
0	Lead, total recoverable	12.1				10.0	µg/L	EX	EPA6010B
0	Manganese, total recoverable	7.69	J	I		10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	2.840				100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Tetrachloroethylene	<100	U			100	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<100	U			100	µg/L	EX	EPA8021B
2	Trichloroethylene	270	J	L		1.00	µg/L	EX	EPA8021B
2	Trichloroethylene	1,600				100	µg/L	EX	EPA8021B
0	Gross alpha	1.59E-09±1.02E-09	J	I		1.50E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.91E-09±1.13E-09	J	I		1.70E-09	µCi/mL	TM	EPA900.0M

## WELL TBG 5A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/05/99  
 Depth to water: 49.91 ft (15.21 m) below TOC  
 Water elevation: 100.09 ft (30.51 m) msl  
 pH: 4.8  
 Sp. conductance: 26 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 71 gal

Time: 11:19  
 Water temperature: 21.8°C  
 Air temperature: 21.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Boron, total recoverable	7.34	J	I		100	µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Carbon tetrachloride	<100	U			100	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Iron, total recoverable	4.60	J	I		200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Manganese, total recoverable	2.67	J	I		10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	0.330	J	I		0.500	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	750	J	Q		100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Tetrachloroethylene	<100	U			100	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Gross alpha	7.20E-10±4.60E-10	J	I		5.30E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	-3.80E-10±1.00E-09	U			1.80E-09	µCi/mL	TM	EPA900.0M

## WELL TBG 5B

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/05/99  
 Depth to water: 37.84 ft (11.53 m) below TOC  
 Water elevation: 111.56 ft (34 m) msl  
 pH: 4.8  
 Sp. conductance: 30 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 112 gal

Time: 10:29  
 Water temperature: 21.6°C  
 Air temperature: 20°C  
 Total alkalinity (as CaCO<sub>3</sub>): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Boron, total recoverable	9.80	J	I		100	µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Carbon tetrachloride	<100	U			100	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
2	Iron, total recoverable	817				200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Manganese, total recoverable	16.1				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	<100	JU	Q		100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Gross alpha	1.21E-09±5.90E-10	J	I		5.60E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.10E-10±1.04E-09	U			1.83E-09	µCi/mL	TM	EPA900.0M

## WELL TBG 6

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/07/99  
 Depth to water: 49.28 ft (15.02 m) below TOC  
 Water elevation: 98.82 ft (30.12 m) msl  
 pH: 4.5  
 Sp. conductance: 100 µS/cm  
 Turbidity: 45 NTU  
 Water evacuated from the well prior to sampling: 5 gal  
 The well went dry during purging.

Time: 11:30  
 Water temperature: 26.1°C  
 Air temperature: 25.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VXN

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	471				200	µg/L	EX	EPA6010B
0	Boron, total recoverable	15.0	J	I		100	µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Carbon tetrachloride	<100	U			100	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<100	U			100	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	14.0	J	K	O	1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<100	U			100	µg/L	EX	EPA8021B
2	Iron, total recoverable	767				200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
2	Manganese, total recoverable	98.6				10.0	µg/L	EX	EPA6010B
1	Mercury, total recoverable	1.80				0.500	µg/L	EX	EPA7470A
1	Nitrate as nitrogen	8,650				500	µg/L	EX	EPA300.0
1	Nitrate as nitrogen	8,530				100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Tetrachloroethylene	<100	U			100	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<100	U			100	µg/L	EX	EPA8021B
2	Trichloroethylene	360	J	L	O	1.00	µg/L	EX	EPA8021B
2	Trichloroethylene	3,000				100	µg/L	EX	EPA8021B
2	Gross alpha	1.61E-08±2.46E-09				1.48E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	9.82E-09±1.49E-09				1.74E-09	µCi/mL	TM	EPA900.0M

## WELL TBG 7

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/05/99  
 Depth to water: 44.25 ft (13.49 m) below TOC  
 Water elevation: 102.55 ft (31.26 m) msl  
 pH: 5.7  
 Sp. conductance: 46 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 49 gal

Time: 9:17  
 Water temperature: 22.4°C  
 Air temperature: 19.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 7 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0	Boron, total recoverable	12.7	J	I	100		µg/L	EX	EPA6010B
0	Iron, total recoverable	121	J	I	200		µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
0	Manganese, total recoverable	1.72	J	I	10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A

## WELL TCM 1

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/04/99  
 Depth to water: 7.02 ft (2.14 m) below TOC  
 Water elevation: Not available  
 pH: 5  
 Sp. conductance: 64 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 13 gal

Time: 10:02  
 Water temperature: 20.3°C  
 Air temperature: 14.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0	Barium, total recoverable	31.0			10.0		µg/L	EX	EPA6010B
0	Boron, total recoverable	130			100		µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
2	Iron, total recoverable	860			200		µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
1	Manganese, total recoverable	27.0			10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A
0	Nitrate as nitrogen	<100	JU	Q	100		µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Gross alpha	5.30E-10±6.50E-10	U		1.07E-09		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.36E-09±9.70E-10	J	I	1.45E-09		µCi/mL	TM	EPA900.0M

## WELL TCM 2

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/06/99  
 Depth to water: 6.18 ft (1.88 m) below TOC  
 Water elevation: Not available  
 pH: 5.1  
 Sp. conductance: 150 µS/cm  
 Turbidity: 7 NTU  
 Water evacuated from the well prior to sampling: 25 gal

Time: 10:38  
 Water temperature: 20°C  
 Air temperature: 20.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	170			200		µg/L	EX	EPA6010B
0	Boron, total recoverable	324			100		µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B

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Well TCM 2 collected on 05/06/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloroform	1.40	J	K	O	1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	3.70	J	K	O	1.00	µg/L	EX	EPA8021B
0	Iron, total recoverable	81.7	J	I		200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
2	Manganese, total recoverable	62.1			10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A
1	Nitrate as nitrogen	9.320	J	Q		500	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	J	U		1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	J	U		1.00	µg/L	EX	EPA8021B
2	Trichloroethylene	58.0			1.00		µg/L	EX	EPA8021B
1	Gross alpha	1.33E-08±2.33E-09				1.48E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.22E-08±1.53E-09				1.57E-09	µCi/mL	TM	EPA900.0M

## WELL TCM 3

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/06/99  
 Depth to water: 6.55 ft (2 m) below TOC  
 Water elevation: Not available  
 pH: 5.5  
 Sp. conductance: 200 µS/cm  
 Turbidity: 48 NTU  
 Water evacuated from the well prior to sampling: 20 gal

Time: 11:11  
 Water temperature: 20.2°C  
 Air temperature: 20.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 29 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): VN

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	752			200		µg/L	EX	EPA6010B
0	Boron, total recoverable	310			100		µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
1	Iron, total recoverable	245			200		µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
2	Manganese, total recoverable	65.0			10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	0.250	J	I	0.500		µg/L	EX	EPA7470A
0	Nitrate as nitrogen	4.750	J	Q		100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	J	U		1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	J	U		1.00	µg/L	EX	EPA8021B
2	Trichloroethylene	41.0			1.00		µg/L	EX	EPA8021B
2	Gross alpha	5.36E-08±5.45E-09				1.98E-09	µCi/mL	TM	EPA900.0M
1	Nonvolatile beta	4.29E-08±2.64E-09				1.85E-09	µCi/mL	TM	EPA900.0M

## WELL TIR 1L

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/03/99  
 Depth to water: 9.52 ft (2.9 m) below TOC  
 Water elevation: 92.18 ft (28.1 m) msl  
 pH: 4.8  
 Sp. conductance: 120 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 11 gal

Time: 15:32  
 Water temperature: 19.1°C  
 Air temperature: 24°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0	Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0	Barium, total recoverable	27.9			10.0		µg/L	EX	EPA6010B
0	Boron, total recoverable	818			100		µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
1	Iron, total recoverable	165	J	I	200		µg/L	EX	EPA6010B
1	Iron, total recoverable	165	J	I	200		µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
2	Manganese, total recoverable	74.6			10.0		µg/L	EX	EPA6010B
2	Manganese, total recoverable	74.6			10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A
0	Nitrate as nitrogen	167	J	Q	100		µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Trichloroethylene	2.46	J	K	Cl	1.00	µg/L	EX	EPA8021B

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Well TIR 1L collected on 05/03/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Gross alpha	7.30E-10±7.20E-10	U			1.13E-09	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	1.50E-09±1.00E-09	U			1.61E-09	µCi/mL	TM	EPA900.0M

**WELL TIR 1M**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/03/99  
 Depth to water: 9.19 ft (2.8 m) below TOC  
 Water elevation: 92.51 ft (28.2 m) msl  
 pH: 4.8  
 Sp. conductance: 80 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 4 gal

Time: 14:48  
 Water temperature: 19.6°C  
 Air temperature: 23.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0 Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0 Barium, total recoverable	13.8				10.0	µg/L	EX	EPA8010B
0 Boron, total recoverable	662				100	µg/L	EX	EPA8010B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Iron, total recoverable	10.8	J	I		200	µg/L	EX	EPA6010B
0 Iron, total recoverable	10.8	J	I		200	µg/L	EX	EPA6010B
0 Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
1 Manganese, total recoverable	47.1				10.0	µg/L	EX	EPA6010B
1 Manganese, total recoverable	47.1				10.0	µg/L	EX	EPA6010B
0 Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0 Nitrate as nitrogen	3.080	J	Q		100	µg/L	EX	EPA300.0
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
2 Trichloroethylene	7.67	J	K	Cl	1.00	µg/L	EX	EPA8021B
0 Gross alpha	8.20E-10±6.50E-10	U			9.70E-10	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	1.85E-09±1.00E-09	J	I		1.57E-09	µCi/mL	TM	EPA900.0M

**WELL TIR 1U**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/07/99  
 Depth to water: 9.04 ft (2.76 m) below TOC  
 Water elevation: 92.56 ft (28.21 m) msl  
 pH: 4.1  
 Sp. conductance: 150 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 3 gal

Time: 8:56  
 Water temperature: 18.8°C  
 Air temperature: 18.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0 Boron, total recoverable	669				100	µg/L	EX	EPA6010B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
2 Carbon tetrachloride	21.0	J	K	O	10.0	µg/L	EX	EPA8021B
0 Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 cis-1,2-Dichloroethylene	34.0	J	K	O	10.0	µg/L	EX	EPA8021B
0 Iron, total recoverable	73.7	J	I		200	µg/L	EX	EPA6010B
0 Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
1 Manganese, total recoverable	39.6				10.0	µg/L	EX	EPA6010B
0 Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
1 Nitrate as nitrogen	6.440				500	µg/L	EX	EPA300.0
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
2 Trichloroethylene	24.0				1.00	µg/L	EX	EPA8021B

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Well TIR 1U collected on 05/07/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Trichloroethylene	23.0	J	K	O	1.00	µg/L	EX	EPA8021B
2 Trichloroethylene	160	J	K	O	10.0	µg/L	EX	EPA8021B
0 Gross alpha	9.77E-09±1.89E-09				1.31E-09	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	8.15E-09±1.42E-09				1.74E-09	µCi/mL	TM	EPA900.0M

**WELL TIR 2**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/07/99  
 Depth to water: 9.33 ft (2.84 m) below TOC  
 Water elevation: 91.97 ft (28.03 m) msl  
 pH: 4.5  
 Sp. conductance: 88 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 5 gal

Time: 8:40  
 Water temperature: 17.6°C  
 Air temperature: 17.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0 Boron, total recoverable	660				100	µg/L	EX	EPA6010B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Iron, total recoverable	73.0	J	I		200	µg/L	EX	EPA6010B
0 Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
1 Manganese, total recoverable	39.0				10.0	µg/L	EX	EPA6010B
0 Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0 Nitrate as nitrogen	3.870				100	µg/L	EX	EPA300.0
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
2 Trichloroethylene	10.0	J	K	O	1.00	µg/L	EX	EPA8021B
0 Gross alpha	5.10E-10±6.00E-10	U			9.80E-10	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	3.79E-09±1.16E-09	J	I		1.65E-09	µCi/mL	TM	EPA900.0M

**WELL TIR 3B**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/07/99  
 Depth to water: 6 ft (1.83 m) below TOC  
 Water elevation: 94.6 ft (28.83 m) msl  
 pH: 4.4  
 Sp. conductance: 170 µS/cm  
 Turbidity: 7 NTU  
 Water evacuated from the well prior to sampling: 5 gal

Time: 9:40  
 Water temperature: 18.6°C  
 Air temperature: 19.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	317				200	µg/L	EX	EPA6010B
0 Boron, total recoverable	69.4	J	I		100	µg/L	EX	EPA6010B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Iron, total recoverable	34.5	J	I		200	µg/L	EX	EPA6010B
0 Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
2 Manganese, total recoverable	68.1				10.0	µg/L	EX	EPA6010B
2 Mercury, total recoverable	2.72				0.500	µg/L	EX	EPA7470A
2 Nitrate as nitrogen	17.600				500	µg/L	EX	EPA300.0
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
2 Trichloroethylene	86.0	J	K	O	1.00	µg/L	EX	EPA8021B
2 Gross alpha	1.58E-08±2.47E-09				1.43E-09	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	1.28E-08±1.54E-09				1.57E-09	µCi/mL	TM	EPA900.0M

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## WELL TNX 1D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/04/99  
 Depth to water: 60 ft (18.29 m) below TOC  
 Water elevation: 96.5 ft (29.41 m) msl  
 pH: 5.4  
 Sp. conductance: 46 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 14:15  
 Water temperature: 21°C  
 Air temperature: 32.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 9 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Barium, total recoverable	18.0				10.0	µg/L	EX	EPA6010B
0	Boron, total recoverable	11.0	J	I		100	µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Iron, total recoverable	120	J	I		200	µg/L	EX	EPA6010B
0	Lead, total recoverable	5.00	J	I		10.0	µg/L	EX	EPA6010B
2	Manganese, total recoverable	58.0				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	<100	JU	Q		100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
1	Trichloroethylene	4.50	J	K	O	1.00	µg/L	EX	EPA8021B
1	Trichloroethylene	4.50	J	K	O	1.00	µg/L	EX	EPA8021B
0	Gross alpha	3.80E-10±6.20E-10	U			1.08E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.45E-09±9.30E-10	U			1.48E-09	µCi/mL	TM	EPA900.0M

## WELL TNX 2D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/04/99  
 Depth to water: 59.19 ft (18.04 m) below TOC  
 Water elevation: 95.91 ft (29.23 m) msl  
 pH: 5.6  
 Sp. conductance: 48 µS/cm  
 Turbidity: 5 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 13:08  
 Water temperature: 21.9°C  
 Air temperature: 31.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 14 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Barium, total recoverable	28.0				10.0	µg/L	EX	EPA6010B
0	Boron, total recoverable	11.0	J	I		100	µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
2	Iron, total recoverable	470				200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<3.70	JU		4	10.0	µg/L	EX	EPA6010B
0	Manganese, total recoverable	18.0				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	135	J	Q		100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Gross alpha	1.73E-09±8.30E-10	J	I		9.80E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.53E-09±1.17E-09	J	I		1.82E-09	µCi/mL	TM	EPA900.0M

## WELL TNX 3D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/07/99  
 Depth to water: 58.48 ft (17.82 m) below TOC  
 Water elevation: 95.82 ft (29.21 m) msl  
 pH: 4.9  
 Sp. conductance: 71 µS/cm  
 Turbidity: 9 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 10:50  
 Water temperature: 24.6°C  
 Air temperature: 25.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	266				200	µg/L	EX	EPA6010B
0	Boron, total recoverable	279				100	µg/L	EX	EPA6010B
2	Carbon tetrachloride	17.0				1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	28.0				1.00	µg/L	EX	EPA8021B
0	Iron, total recoverable	113	J	I		200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
1	Manganese, total recoverable	27.9				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	0.260	J	I		0.500	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	4,380				100	µg/L	EX	EPA300.0
2	Tetrachloroethylene	5.00				1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
2	Trichloroethylene	110				1.00	µg/L	EX	EPA8021B
0	Gross alpha	3.78E-09±1.17E-09				1.07E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	4.22E-09±1.24E-09	J	I		1.78E-09	µCi/mL	TM	EPA900.0M

## WELL TNX 4D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/04/99  
 Depth to water: 50.15 ft (15.29 m) below TOC  
 Water elevation: 99.65 ft (30.37 m) msl  
 pH: 5  
 Sp. conductance: 73 µS/cm  
 Turbidity: 13 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

Time: 13:35  
 Water temperature: 21.7°C  
 Air temperature: 31.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): SX

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	330				200	µg/L	EX	EPA6010B
0	Barium, total recoverable	20.0				10.0	µg/L	EX	EPA6010B
0	Boron, total recoverable	18.0	J	I		100	µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
2	Iron, total recoverable	460				200	µg/L	EX	EPA6010B
0	Lead, total recoverable	6.10	J	I		10.0	µg/L	EX	EPA6010B
1	Manganese, total recoverable	25.0				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
1	Nitrate as nitrogen	5,070	J	Q		100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
1	Gross alpha	1.08E-08±1.85E-09				9.80E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	8.92E-09±1.61E-09				2.11E-09	µCi/mL	TM	EPA900.0M

**WELL TNX 5D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/04/99  
 Depth to water: 47.62 ft (14.51 m) below TOC  
 Water elevation: 101.68 ft (30.99 m) msl  
 pH: 5.1  
 Sp. conductance: 98 µS/cm  
 Turbidity: 5 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	210			200		µg/L	EX	EPA6010B
0 Barium, total recoverable	31.0			10.0		µg/L	EX	EPA6010B
0 Boron, total recoverable	380			100		µg/L	EX	EPA6010B
0 Iron, total recoverable	520			200		µg/L	EX	EPA6010B
0 Lead, total recoverable	<10.0			10.0		µg/L	EX	EPA6010B
0 Manganese, total recoverable	13.0			10.0		µg/L	EX	EPA6010B
0 Mercury, total recoverable	<0.500			0.500		µg/L	EX	EPA7470A

**WELL TNX 6D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/04/99  
 Depth to water: 47.92 ft (14.61 m) below TOC  
 Water elevation: 102.58 ft (31.27 m) msl  
 pH: 5.5  
 Sp. conductance: 160 µS/cm  
 Turbidity: 9 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<200			200		µg/L	EX	EPA6010B
0 Barium, total recoverable	15.0			10.0		µg/L	EX	EPA6010B
0 Boron, total recoverable	930			100		µg/L	EX	EPA6010B
0 Iron, total recoverable	220			200		µg/L	EX	EPA6010B
0 Lead, total recoverable	<10.0			10.0		µg/L	EX	EPA6010B
0 Manganese, total recoverable	6.60			10.0		µg/L	EX	EPA6010B
0 Mercury, total recoverable	<0.500			0.500		µg/L	EX	EPA7470A

**WELL TNX 7D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/04/99  
 Depth to water: 52.99 ft (16.15 m) below TOC  
 Water elevation: 97.91 ft (29.84 m) msl  
 pH: 5.5  
 Sp. conductance: 38 µS/cm  
 Turbidity: 3 NTU  
 Water evacuated from the well prior to sampling: 1 gal  
 The well went dry during purging.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2 Aluminum, total recoverable	310			200		µg/L	EX	EPA6010B
0 Barium, total recoverable	17.0			10.0		µg/L	EX	EPA6010B
0 Boron, total recoverable	15.0			100		µg/L	EX	EPA6010B
0 Carbon tetrachloride	<1.00	J		1.00		µg/L	EX	EPA8021B
0 Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B
0 Chloroform	<1.00	U		1.00		µg/L	EX	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0 Lead, total recoverable	<1.00	U		1.00		µg/L	EX	EPA8021B
2 Iron, total recoverable	530			200		µg/L	EX	EPA6010B
0 Manganese, total recoverable	12.0			10.0		µg/L	EX	EPA6010B
0 Mercury, total recoverable	<0.500	J		0.500		µg/L	EX	EPA7470A
0 Nitrate as nitrogen	273	J		100		µg/L	EX	EPA300.0

**ESH-EMS-990521**

Well TNX 7D collected on 05/04/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Nitrate as nitrogen	267	J		100		µg/L	EX	EPA300.0
0 Tetrahydroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0 Tetrahydroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
0 Trichloroethylene	4.90	J		1.00		µg/L	EX	EPA8021B
1 Trichloroethylene	4.90	J		1.00		µg/L	EX	EPA8021B
0 Gross alpha	1.00E-09±6.00E-10	J		7.20E-10		µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	2.98E-09±1.06E-09	J		1.56E-09		µCi/mL	TM	EPA900.0M

**WELL TNX 8D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/03/99  
 Depth to water: 7.62 ft (2.32 m) below TOC  
 Water elevation: 92.68 ft (28.23 m) msl  
 pH: 5  
 Sp. conductance: 160 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 56 gal

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0 Barium, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0 Boron, total recoverable	383			100		µg/L	EX	EPA6010B
0 Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B
0 Chloroform	<1.00	U		1.00		µg/L	EX	EPA8021B
0 cis-1,2-Dichloroethylene	134	U		1.00		µg/L	EX	EPA8021B
0 Iron, total recoverable	134	J		200		µg/L	EX	EPA6010B
0 Lead, total recoverable	<10.0	J		10.0		µg/L	EX	EPA6010B
0 Manganese, total recoverable	14.9	U		10.0		µg/L	EX	EPA6010B
0 Mercury, total recoverable	14.9	U		10.0		µg/L	EX	EPA6010B
0 Nitrate as nitrogen	3,070	J		100		µg/L	EX	EPA300.0
0 Tetrahydroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
1 Trichloroethylene	4.60	J		1.00		µg/L	EX	EPA8021B
0 Gross alpha	2.70E-10±5.90E-10	J		1.00		µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	2.34E-09±1.04E-09	J		1.60E-09		µCi/mL	TM	EPA900.0M

**WELL TNX 9D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/03/99  
 Depth to water: 9.25 ft (2.82 m) below TOC  
 Water elevation: 92.45 ft (28.18 m) msl  
 pH: 5  
 Sp. conductance: 150 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 43 gal

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0 Barium, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0 Boron, total recoverable	66.4			10.0		µg/L	EX	EPA6010B
0 Carbon tetrachloride	669	U		100		µg/L	EX	EPA8021B
0 Chloroform	<1.00	U		1.00		µg/L	EX	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
2 Iron, total recoverable	429	U		200		µg/L	EX	EPA6010B
0 Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
0 Manganese, total recoverable	20.5	U		10.0		µg/L	EX	EPA6010B
0 Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A
0 Nitrate as nitrogen	1,980	J		100		µg/L	EX	EPA300.0
0 Tetrahydroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B

**B-214**

**Second Quarter 1999**

Well TNX 9D collected on 05/03/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Trichloroethylene	0.00	R				µg/L	EX	EPA8021B
0	Gross alpha	2.85E-09±1.15E-09	J	I		1.00	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.85E-09±1.16E-09	J	I		1.65E-09	µCi/mL	TM	EPA900.0M

**WELL TNX 10D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/03/99  
 Depth to water: 10.05 ft (3.06 m) below TOC  
 Water elevation: 92.25 ft (28.12 m) msl  
 pH: 4.6  
 Sp. conductance: 125 µS/cm  
 Turbidity: 7 NTU  
 Water evacuated from the well prior to sampling: 63 gal

Time: 11:29  
 Water temperature: 18.8°C  
 Air temperature: 20.4°C  
 Total alkalinity (as CaCO3): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	179	J	I		200	µg/L	EX	EPA6010B
2	Aluminum, total recoverable	179	J	I		200	µg/L	EX	EPA6010B
0	Barium, total recoverable	36.8				10.0	µg/L	EX	EPA6010B
0	Boron, total recoverable	839				100	µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00		U		1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00		U		1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00		U		1.00	µg/L	EX	EPA8021B
1	Iron, total recoverable	248				200	µg/L	EX	EPA6010B
1	Iron, total recoverable	248				200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0		U		10.0	µg/L	EX	EPA6010B
1	Manganese, total recoverable	47.3				10.0	µg/L	EX	EPA6010B
1	Manganese, total recoverable	47.3				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500		U		0.500	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	3,600		J	Q	100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00		U		1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00		U		1.00	µg/L	EX	EPA8021B
2	Trichloroethylene	20.1		J	K	1.00	µg/L	EX	EPA8021B
0	Gross alpha	3.35E-09±1.08E-09				1.06E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.46E-09±1.05E-09		J	I	1.60E-09	µCi/mL	TM	EPA900.0M

**WELL TNX 11D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/03/99  
 Depth to water: 7.84 ft (2.39 m) below TOC  
 Water elevation: 91.96 ft (28.03 m) msl  
 pH: 4.8  
 Sp. conductance: 41 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 104 gal

Time: 12:41  
 Water temperature: 20.2°C  
 Air temperature: 21.2°C  
 Total alkalinity (as CaCO3): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200		U		200	µg/L	EX	EPA6010B
0	Aluminum, total recoverable	<200		U		200	µg/L	EX	EPA6010B
0	Barium, total recoverable	21.0				10.0	µg/L	EX	EPA6010B
0	Boron, total recoverable	13.5		J	I	100	µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00		U		1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00		U		1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00		U		1.00	µg/L	EX	EPA8021B
1	Iron, total recoverable	206				200	µg/L	EX	EPA6010B
1	Iron, total recoverable	206				200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0		U		10.0	µg/L	EX	EPA6010B
0	Manganese, total recoverable	16.9				10.0	µg/L	EX	EPA6010B
0	Manganese, total recoverable	16.9				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500		U		0.500	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	114		J	Q	100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00		U		1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00		U		1.00	µg/L	EX	EPA8021B
1	Trichloroethylene	3.98		J	K	1.00	µg/L	EX	EPA8021B
0	Gross alpha	6.20E-10±6.10E-10				9.60E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.38E-09±1.03E-09		J	I	1.56E-09	µCi/mL	TM	EPA900.0M

**WELL TNX 12D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/03/99  
 Depth to water: 5.89 ft (1.8 m) below TOC  
 Water elevation: 93.31 ft (28.44 m) msl  
 pH: 5.5  
 Sp. conductance: 58 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 50 gal

Time: 13:37  
 Water temperature: 18.5°C  
 Air temperature: 22°C  
 Total alkalinity (as CaCO3): 16 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200		U		200	µg/L	EX	EPA6010B
0	Aluminum, total recoverable	<200		U		200	µg/L	EX	EPA6010B
0	Barium, total recoverable	21.7				10.0	µg/L	EX	EPA6010B
0	Boron, total recoverable	13.1		J	I	100	µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00		U		1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00		U		1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00		U		1.00	µg/L	EX	EPA8021B
0	Iron, total recoverable	32.9		J	I	200	µg/L	EX	EPA6010B
0	Iron, total recoverable	32.9		J	I	200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0		U		10.0	µg/L	EX	EPA6010B
2	Manganese, total recoverable	1,010				10.0	µg/L	EX	EPA6010B
2	Manganese, total recoverable	1,010				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500		U		0.500	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	<100		JU	Q	100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00		U		1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00		U		1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00		U		1.00	µg/L	EX	EPA8021B
0	Gross alpha	4.80E-10±5.60E-10				9.30E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.23E-09±1.07E-09		J	I	1.55E-09	µCi/mL	TM	EPA900.0M

**WELL TNX 13D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/03/99  
 Depth to water: 5.64 ft (1.72 m) below TOC  
 Water elevation: 89.26 ft (27.21 m) msl  
 pH: 5.3  
 Sp. conductance: 140 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 2 gal

Time: 12:12  
 Water temperature: 17.8°C  
 Air temperature: 16.9°C  
 Total alkalinity (as CaCO3): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200		U		200	µg/L	EX	EPA6010B
0	Aluminum, total recoverable	<200		U		200	µg/L	EX	EPA6010B
0	Barium, total recoverable	63.1				10.0	µg/L	EX	EPA6010B
0	Boron, total recoverable	468				100	µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00		U		1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00		U		1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00		U		1.00	µg/L	EX	EPA8021B
0	Iron, total recoverable	13.4		J	I	200	µg/L	EX	EPA6010B
0	Iron, total recoverable	13.4		J	I	200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0		U		10.0	µg/L	EX	EPA6010B
0	Manganese, total recoverable	17.2				10.0	µg/L	EX	EPA6010B
0	Manganese, total recoverable	17.2				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500		U		0.500	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	4,740		J	Q	100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00		U		1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00		U		1.00	µg/L	EX	EPA8021B
2	Trichloroethylene	9.84		J	K	1.00	µg/L	EX	EPA8021B
0	Gross alpha	6.00E-11±6.10E-10				1.21E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	6.75E-09±1.29E-09				1.63E-09	µCi/mL	TM	EPA900.0M

## WELL TNX 14D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/03/99  
 Depth to water: 3.35 ft (1.02 m) below TOC  
 Water elevation: 89.45 ft (27.26 m) msl  
 pH: 5.2  
 Sp. conductance: 100 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 2 gal

Time: 12:05  
 Water temperature: 17.6°C  
 Air temperature: 16.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0	Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0	Barium, total recoverable	13.1			10.0		µg/L	EX	EPA6010B
0	Boron, total recoverable	716			100		µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Chloroform	0.00	U		1.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Iron, total recoverable	56.2	J	I	200		µg/L	EX	EPA6010B
0	Iron, total recoverable	56.2	J	I	200		µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
0	Manganese, total recoverable	21.5			10.0		µg/L	EX	EPA6010B
0	Manganese, total recoverable	21.5			10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A
0	Nitrate as nitrogen	3.270	J	Q	100		µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Gross alpha	3.30E-10±6.00E-10	U		1.06E-09		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.46E-09±1.05E-09	J	I	1.59E-09		µCi/mL	TM	EPA900.0M

## WELL TNX 15D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/03/99  
 Depth to water: 5.87 ft (1.79 m) below TOC  
 Water elevation: 87.23 ft (26.59 m) msl  
 pH: 4.8  
 Sp. conductance: 130 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 5 gal

Time: 13:07  
 Water temperature: 17.9°C  
 Air temperature: 22.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	376			200		µg/L	EX	EPA6010B
0	Boron, total recoverable	799			100		µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Chloroform	0.00	U		1.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
1	Iron, total recoverable	207			200		µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
2	Manganese, total recoverable	52.2			10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A
1	Nitrate as nitrogen	6.820	J	Q	500		µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
2	Trichloroethylene	18.6	J	K	1.00		µg/L	EX	EPA8021B
0	Gross alpha	1.03E-09±1.00E-09	U		1.60E-09		µCi/mL	TM	EPA900.0M
0	Gross alpha	-1.00E-10±7.80E-10	U		1.62E-09		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.90E-09±1.13E-09	U		1.58E-09		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	5.20E-10±1.08E-09	U		1.86E-09		µCi/mL	TM	EPA900.0M

## WELL TNX 16D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/03/99  
 Depth to water: 5.9 ft (1.8 m) below TOC  
 Water elevation: 87.5 ft (26.67 m) msl  
 pH: 4.8  
 Sp. conductance: 150 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 2 gal

Time: 12:38  
 Water temperature: 18°C  
 Air temperature: 18.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	80.6	J	I	200		µg/L	EX	EPA6010B
2	Aluminum, total recoverable	80.6	J	I	200		µg/L	EX	EPA6010B
0	Barium, total recoverable	33.3			10.0		µg/L	EX	EPA6010B
0	Boron, total recoverable	784			100		µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Chloroform	0.00	U		1.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	0.00	R		1.00		µg/L	EX	EPA8021B
0	Iron, total recoverable	6.40	J	I	200		µg/L	EX	EPA6010B
0	Iron, total recoverable	6.40	J	I	200		µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
1	Manganese, total recoverable	42.3			10.0		µg/L	EX	EPA6010B
1	Manganese, total recoverable	42.3			10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A
1	Nitrate as nitrogen	8.510	J	Q	500		µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
2	Trichloroethylene	54.3	J	K	1.00		µg/L	EX	EPA8021B
0	Gross alpha	5.20E-10±6.80E-10	U		1.12E-09		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.49E-09±1.16E-09	U		1.88E-09		µCi/mL	TM	EPA900.0M

## WELL TNX 17D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/03/99  
 Depth to water: 6.8 ft (2.07 m) below TOC  
 Water elevation: 90 ft (27.43 m) msl  
 pH: 5.9  
 Sp. conductance: 89 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 4 gal

Time: 14:53  
 Water temperature: 18.5°C  
 Air temperature: 21.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 34 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0	Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0	Barium, total recoverable	26.6			10.0		µg/L	EX	EPA6010B
0	Boron, total recoverable	7.90	J	I	100		µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
2	Iron, total recoverable	3,020			200		µg/L	EX	EPA6010B
2	Iron, total recoverable	3,020			200		µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
2	Manganese, total recoverable	1,700			10.0		µg/L	EX	EPA6010B
2	Manganese, total recoverable	1,700			10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A
0	Nitrate as nitrogen	<100	JU	Q	100		µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Gross alpha	-4.00E-11±5.50E-10	U		1.14E-09		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.35E-09±1.04E-09	J	I	1.58E-09		µCi/mL	TM	EPA900.0M

## WELL TNX 18D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/03/99  
 Depth to water: 2.48 ft (0.76 m) below TOC  
 Water elevation: 89.62 ft (27.32 m) msl  
 pH: 5.5  
 Sp. conductance: 130 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 2 gal

Time: 10:57  
 Water temperature: 17°C  
 Air temperature: 15.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 10 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Barium, total recoverable	60.7				10.0	µg/L	EX	EPA6010B
0	Boron, total recoverable	733				100	µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	0.00	R			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	J	I		1.00	µg/L	EX	EPA6010B
0	Iron, total recoverable	6.77	J	I		200	µg/L	EX	EPA6010B
0	Iron, total recoverable	6.77	J	I		200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Manganese, total recoverable	3.90	J	I		10.0	µg/L	EX	EPA6010B
0	Manganese, total recoverable	3.90	J	I		10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	3.780	J	Q		100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	1.60	J	K	CI	1.00	µg/L	EX	EPA8021B
0	Gross alpha	1.02E-09±7.10E-10	J	I		9.10E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.04E-09±1.12E-09	J	I		1.77E-09	µCi/mL	TM	EPA900.0M

## WELL TNX 19D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/03/99  
 Depth to water: 3.2 ft (0.98 m) below TOC  
 Water elevation: 89.5 ft (27.28 m) msl  
 pH: 5.5  
 Sp. conductance: 120 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 3 gal

Time: 10:48  
 Water temperature: 17.7°C  
 Air temperature: 15.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Barium, total recoverable	61.0				10.0	µg/L	EX	EPA6010B
0	Boron, total recoverable	542				100	µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA6010B
0	Iron, total recoverable	11.1	J	I		200	µg/L	EX	EPA6010B
0	Iron, total recoverable	11.1	J	I		200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Manganese, total recoverable	8.25	J	I		10.0	µg/L	EX	EPA6010B
0	Manganese, total recoverable	8.25	J	I		10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	3.120	J	Q		100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
2	Trichloroethylene	5.99	J	K	CI	1.00	µg/L	EX	EPA8021B
0	Gross alpha	2.70E-10±6.80E-10	U			1.26E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	4.14E-09±1.42E-09	J	I		2.14E-09	µCi/mL	TM	EPA900.0M

## WELL TNX 20D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/03/99  
 Depth to water: 3.78 ft (1.15 m) below TOC  
 Water elevation: 89.72 ft (27.35 m) msl  
 pH: 5.7  
 Sp. conductance: 88 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 3 gal

Time: 10:15  
 Water temperature: 16.5°C  
 Air temperature: 15.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 16 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Barium, total recoverable	35.6				10.0	µg/L	EX	EPA6010B
0	Boron, total recoverable	272				100	µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA6010B
0	Iron, total recoverable	84.0	J	I		200	µg/L	EX	EPA6010B
0	Iron, total recoverable	84.0	J	I		200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Manganese, total recoverable	11.5				10.0	µg/L	EX	EPA6010B
0	Manganese, total recoverable	11.5				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	0.316	J	I		0.500	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	2,320	J	Q		100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
2	Trichloroethylene	5.01	J	K	CI	1.00	µg/L	EX	EPA8021B
0	Gross alpha	1.39E-09±8.00E-10	J	I		1.00E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	4.40E-09±1.33E-09	J	I		1.95E-09	µCi/mL	TM	EPA900.0M

## WELL TNX 21D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/03/99  
 Depth to water: 2.45 ft (0.75 m) below TOC  
 Water elevation: 91.95 ft (28.03 m) msl  
 pH: 5.5  
 Sp. conductance: 98 µS/cm  
 Turbidity: 23 NTU  
 Water evacuated from the well prior to sampling: 9 gal

Time: 10:01  
 Water temperature: 17.5°C  
 Air temperature: 14.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 8 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	1,410				200	µg/L	EX	EPA6010B
2	Aluminum, total recoverable	1,410				200	µg/L	EX	EPA6010B
0	Barium, total recoverable	64.8				10.0	µg/L	EX	EPA6010B
0	Boron, total recoverable	68.4	J	I		100	µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
2	Iron, total recoverable	1,400				200	µg/L	EX	EPA6010B
2	Iron, total recoverable	1,400				200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
2	Manganese, total recoverable	133				10.0	µg/L	EX	EPA6010B
2	Manganese, total recoverable	133				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	0.401	J	I		0.500	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	172	J	Q		100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Gross alpha	1.52E-09±8.40E-10	J	I		9.60E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.37E-09±1.11E-09	U			1.83E-09	µCi/mL	TM	EPA900.0M

## WELL TNX 22D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/03/99  
 Depth to water: 4.2 ft (1.28 m) below TOC  
 Water elevation: 88.8 ft (27.07 m) msl  
 pH: 5.6  
 Sp. conductance: 50 µS/cm  
 Turbidity: 6 NTU  
 Water evacuated from the well prior to sampling: 3 gal

Time: 9:35  
 Water temperature: 16.5°C  
 Air temperature: 13.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 10 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Barium, total recoverable	47.0	J	I		10.0	µg/L	EX	EPA6010B
0	Boron, total recoverable	56.3	J			100	µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
2	Iron, total recoverable	866				200	µg/L	EX	EPA6010B
2	Iron, total recoverable	866				200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
1	Manganese, total recoverable	47.3				10.0	µg/L	EX	EPA6010B
1	Manganese, total recoverable	47.3				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	<100	JU	Q		100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Gross alpha	2.00E-10±6.10E-10	U			1.12E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.46E-09±1.03E-09	J	I		1.54E-09	µCi/mL	TM	EPA900.0M

## WELL TNX 23D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/05/99  
 Depth to water: 59.16 ft (18.03 m) below TOC  
 Water elevation: 95.94 ft (29.24 m) msl  
 pH: 5.2  
 Sp. conductance: 38 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 40 gal

Time: 12:19  
 Water temperature: 21.1°C  
 Air temperature: 25.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 9 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Boron, total recoverable	13.3	J	I		100	µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Iron, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
2	Manganese, total recoverable	51.7				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	113	J	Q		100	µg/L	EX	EPA300.0
0	Nitrate as nitrogen	109	J	Q		100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Gross alpha	5.00E-10±4.10E-10	U			5.50E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	5.00E-10±1.06E-09	U			1.82E-09	µCi/mL	TM	EPA900.0M

## WELL TNX 24D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/05/99  
 Depth to water: 34.57 ft (10.54 m) below TOC  
 Water elevation: 108.33 ft (33.02 m) msl  
 pH: 5.1  
 Sp. conductance: 130 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 7 gal

Time: 13:16  
 Water temperature: 22.7°C  
 Air temperature: 25.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 14 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0	Boron, total recoverable	10.7	J	I		100	µg/L	EX	EPA6010B
0	Iron, total recoverable	45.8	J	I		200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Manganese, total recoverable	3.74	J	I		10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A

## WELL TNX 26D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/03/99  
 Depth to water: 7.8 ft (2.38 m) below TOC  
 Water elevation: 93 ft (28.35 m) msl  
 pH: 5.8  
 Sp. conductance: 86 µS/cm  
 Turbidity: 11 NTU  
 Water evacuated from the well prior to sampling: 4 gal

Time: 13:47  
 Water temperature: 17.9°C  
 Air temperature: 21.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 19 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	382				200	µg/L	EX	EPA6010B
2	Aluminum, total recoverable	382				200	µg/L	EX	EPA6010B
0	Barium, total recoverable	* 36.6				10.0	µg/L	EX	EPA6010B
0	Boron, total recoverable	169				100	µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
2	Iron, total recoverable	637				200	µg/L	EX	EPA6010B
2	Iron, total recoverable	637				200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
2	Manganese, total recoverable	90.0				10.0	µg/L	EX	EPA6010B
2	Manganese, total recoverable	90.0				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	0.381	J	I		0.500	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	53.9	J	IQ		100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
1	Gross alpha	8.78E-09±1.60E-09				7.80E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	5.00E-09±1.17E-09				1.56E-09	µCi/mL	TM	EPA900.0M

## WELL TNX 26D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/17/99  
 Depth to water: 8.28 ft (2.52 m) below TOC  
 Water elevation: 92.52 ft (28.2 m) msl  
 pH: 5.5  
 Sp. conductance: 80 µS/cm  
 Turbidity: 10 NTU  
 Water evacuated from the well prior to sampling: 4 gal

Time: 10:10  
 Water temperature: 19.4°C  
 Air temperature: 21.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 18 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	408	J	K	I	146	µg/L	WA	EPA6010B
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Barium, total recoverable	30.1				1.80	µg/L	WA	EPA6010B
0	Boron, total recoverable	139	J	I		266	µg/L	WA	EPA6010B
0	Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0	Calcium, total recoverable	3,030	U			471	µg/L	WA	EPA6010B

**ANALYTICAL RESULTS**

Well TNX 26D collected on 06/17/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloride	7,600				210	µg/L	WA	EPA9056
0	Chromium, total recoverable	1.70	J	I		7.00	µg/L	WA	EPA6010B
0	Fluoride	<65.6	U	V		40.0	µg/L	WA	EPA340.2
2	Iron, total recoverable	522				74.0	µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0	Lithium, total recoverable	0.590	J	I		2.70	µg/L	WA	EPA6010B
0	Magnesium, total recoverable	924				74.0	µg/L	WA	EPA6010B
2	Manganese, total recoverable	75.4				7.80	µg/L	WA	EPA6010B
0	Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
0	Nitrate-nitrite as nitrogen	11.0	J	I		20.0	µg/L	WA	EPA353.2
0	Potassium, total recoverable	769				187	µg/L	WA	EPA6010B
0	Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
0	Silica, total recoverable	11,500				1,350	µg/L	WA	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
0	Sodium, total recoverable	10,200				285	µg/L	WA	EPA6010B
0	Sulfate	4,400				340	µg/L	WA	EPA9056
0	Total dissolved solids	264,000				50,000	µg/L	WA	EPA160.1
0	Total organic carbon	1,570				1,000	µg/L	WA	EPA9060
0	Total organic carbon	1,560				1,000	µg/L	WA	EPA9060
0	Total organic halogens	15.7	J	I		120	µg/L	WA	EPA9020B
0	Total phosphates (as P)	24.2	J	I		67.0	µg/L	WA	EPA365.2
1	Gross alpha	9.04E-09±1.66E-09				1.08E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	5.76E-09±1.22E-09				1.60E-09	µCi/mL	TM	EPA900.0M
0	Tritium	1.45E-06±3.80E-07				5.00E-07	µCi/mL	TM	EPA906.0M

**WELL TNX 27D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/07/99  
 Depth to water: 15.7 ft (4.79 m) below TOC  
 Water elevation: 94.9 ft (28.93 m) msl  
 pH: 5.2  
 Sp. conductance: 58 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 19 gal

Time: 9:39  
 Water temperature: 18.6°C  
 Air temperature: 18.8°C  
 Total alkalinity (as CaCO3): 10 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): V

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	89.2	J	I		200	µg/L	EX	EPA6010B
0	Boron, total recoverable	10.8	J	I		100	µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Iron, total recoverable	6.82	J	I		200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Manganese, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	132				100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Gross alpha	5.02E-09±1.33E-08	U			2.53E-08	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.41E-08±6.85E-09	U			9.42E-09	µCi/mL	TM	EPA900.0M

**WELL TNX 65D**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/29/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: Not available  
 Water temperature: Not available  
 Air temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<5.87	U	V		5.00	µg/L	ML	EPA8260B
0	Benzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromodichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromoform	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromomethane	<1.00	U			1.00	µg/L	ML	EPA8260B

**ESH-EMS-990521**

Well TNX 65D collected on 06/29/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon disulfide	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chlorobenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroethene (Vinyl chloride)	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroform	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Dibromochloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	trans-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Dichloromethane	<4.38	U	V		1.00	µg/L	ML	EPA8260B
0	1,2-Dichloropropane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	cis-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	trans-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Ethylbenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Methyl ethyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Styrene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,2,2-Tetrachloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Toluene	0.330	J	I		1.00	µg/L	ML	EPA8260B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,2-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Trichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Vinyl acetate	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Xylenes	<1.00	U			1.00	µg/L	ML	EPA8260B

**WELL TRW 1**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/22/99  
 Depth to water: 87.83 ft (26.67 m) below TOC  
 Water elevation: 88.47 ft (26.97 m) msl  
 pH: 4.6  
 Sp. conductance: 60 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 1 gal

Time: 8:55  
 Water temperature: 21.3°C  
 Air temperature: 20.4°C  
 Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	120	J	I		200	µg/L	EX	EPA6010B
0	Boron, total recoverable	1,270				100	µg/L	EX	EPA6010B
2	Carbon tetrachloride	11.5				1.00	µg/L	EX	EPA8021B
0	Chloroform	1.29				1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	19.0				1.00	µg/L	EX	EPA8021B
0	Iron, total recoverable	17.8	J	I		200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<100	U			100	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
2	Manganese, total recoverable	52.7				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	0.931				0.500	µg/L	EX	EPA7470A
1	Nitrate as nitrogen	8,890	J	QQ		500	µg/L	EX	EPA300.0
1	Nitrate as nitrogen	8,920	J	QQ		500	µg/L	EX	EPA300.0
0	Tetrachloroethylene	2.19				1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
2	Trichloroethylene	81.3	J	L	I	1.00	µg/L	EX	EPA8021B
0	Gross alpha	4.08E-09±1.15E-09				1.00E-09	µCi/mL	TM	EPA900.0M
0	Gross alpha	3.11E-09±1.06E-09	J	I		1.05E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.14E-09±1.15E-09	J	I		1.72E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.94E-09±1.20E-09	J	I		1.74E-09	µCi/mL	TM	EPA900.0M

## WELL TRW 1

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/17/99  
 Depth to water: 68.6 ft (20.91 m) below TOC  
 Water elevation: 87.7 ft (26.73 m) msl  
 pH: 5.2  
 Sp. conductance: 101 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 9:15  
 Water temperature: 21°C  
 Air temperature: 20.2°C  
 Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200				200	µg/L	EX	EPA6010B
0	Boron, total recoverable	1.020				100	µg/L	EX	EPA6010B
2	Carbon tetrachloride	10.0				1.00	µg/L	EX	EPA8021B
0	Chloroform	1.30				1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	16.0				1.00	µg/L	EX	EPA8021B
0	Iron, total recoverable	<200				200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0				10.0	µg/L	EX	EPA6010B
1	Manganese, total recoverable	42.6				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	0.578				0.500	µg/L	EX	EPA7470A
1	Nitrate as nitrogen	7.270	J	Q		200	µg/L	EX	EPA300.0
0	Tetrachloroethylene	1.60				1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00				1.00	µg/L	EX	EPA8021B
2	Trichloroethylene	77.0	J	L	I	1.00	µg/L	EX	EPA8021B
0	Gross alpha	2.58E-09±7.80E-10				8.40E-10	µCi/mL	TM	EPA900.0M
0	Gross alpha	2.80E-09±9.80E-10	J	I		1.03E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.56E-09±1.03E-09	J	I		1.60E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.45E-09±1.20E-09	U			1.97E-09	µCi/mL	TM	EPA900.0M

## WELL TRW 1

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/01/99  
 Depth to water: 69.28 ft (21.12 m) below TOC  
 Water elevation: 87.02 ft (26.52 m) msl  
 pH: 5.3  
 Sp. conductance: 97 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 9:35  
 Water temperature: 21.2°C  
 Air temperature: 26.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200				200	µg/L	EX	EPA6010B
0	Boron, total recoverable	970				100	µg/L	EX	EPA6010B
2	Carbon tetrachloride	13.0	J	K	O	1.00	µg/L	EX	EPA8021B
0	Chloroform	1.50	J	K	O	1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	16.0	J	K	O	1.00	µg/L	EX	EPA8021B
0	Iron, total recoverable	7.60	J	I		200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0				10.0	µg/L	EX	EPA6010B
1	Manganese, total recoverable	43.0				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	0.797				0.500	µg/L	EX	EPA7470A
1	Nitrate as nitrogen	7.900	J	Q		500	µg/L	EX	EPA300.0
1	Tetrachloroethylene	2.60	J	K	O	1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00				1.00	µg/L	EX	EPA8021B
2	Trichloroethylene	82.0	J	K	O	1.00	µg/L	EX	EPA8021B
0	Gross alpha	4.63E-09±1.10E-09				5.80E-10	µCi/mL	TM	EPA900.0M
0	Gross alpha	3.76E-09±1.00E-09				5.90E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.00E-09±1.16E-09	J	I		1.85E-09	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.10E-09±1.22E-09	J	I		1.86E-09	µCi/mL	TM	EPA900.0M

## WELL TRW 2

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/22/99  
 Depth to water: 64.65 ft (19.71 m) below TOC  
 Water elevation: 89.65 ft (27.33 m) msl  
 pH: 4.8  
 Sp. conductance: 82 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 1 gal

Time: 8:30  
 Water temperature: 20.8°C  
 Air temperature: 19°C  
 Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

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Well TRW 2 collected on 04/22/99 (cont.)

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	200	J	I		200	µg/L	EX	EPA6010B
0	Boron, total recoverable	55.7	J	I		100	µg/L	EX	EPA6010B
1	Carbon tetrachloride	3.43	J	K	O	1.00	µg/L	EX	EPA8021B
0	Chloroform	0.764	J	IK	O	1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	3.47	J	K	O	1.00	µg/L	EX	EPA8021B
0	Iron, total recoverable	<200				200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<100				100	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0				10.0	µg/L	EX	EPA6010B
2	Manganese, total recoverable	81.5				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	0.538				0.500	µg/L	EX	EPA7470A
1	Nitrate as nitrogen	5.710	J	Q		100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00				1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00				1.00	µg/L	EX	EPA8021B
2	Trichloroethylene	24.6	J	L	IO	1.00	µg/L	EX	EPA8021B
0	Gross alpha	5.50E-09±1.29E-09				9.80E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	4.59E-09±1.22E-09				1.71E-09	µCi/mL	TM	EPA900.0M

## WELL TRW 2

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/17/99  
 Depth to water: 65.34 ft (19.92 m) below TOC  
 Water elevation: 86.96 ft (27.12 m) msl  
 pH: 5.2  
 Sp. conductance: 82 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 9:30  
 Water temperature: 20.6°C  
 Air temperature: 20.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	172	J	I		200	µg/L	EX	EPA6010B
0	Boron, total recoverable	58.6	J	I		100	µg/L	EX	EPA6010B
2	Carbon tetrachloride	5.80				1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00				1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	2.90				1.00	µg/L	EX	EPA8021B
0	Iron, total recoverable	18.1	J	I		200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0				10.0	µg/L	EX	EPA6010B
2	Manganese, total recoverable	94.9				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	0.570				0.500	µg/L	EX	EPA7470A
1	Nitrate as nitrogen	5.300	J	Q		200	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00				1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00				1.00	µg/L	EX	EPA8021B
2	Trichloroethylene	48.0	J	L	I	1.00	µg/L	EX	EPA8021B
0	Gross alpha	3.60E-09±9.20E-10				8.10E-10	µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	4.29E-09±1.06E-09				1.49E-09	µCi/mL	TM	EPA900.0M

## WELL TRW 2

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/01/99  
 Depth to water: 66 ft (20.12 m) below TOC  
 Water elevation: 88.3 ft (26.91 m) msl  
 pH: 5.4  
 Sp. conductance: 78 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 9:55  
 Water temperature: 20.7°C  
 Air temperature: 26.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	140	J	I		200	µg/L	EX	EPA6010B
0	Boron, total recoverable	67.0	J	I		100	µg/L	EX	EPA6010B
1	Carbon tetrachloride	3.70				1.00	µg/L	EX	EPA8021B
0	Chloroform	0.600	J	I		1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	1.70				1.00	µg/L	EX	EPA8021B
0	Iron, total recoverable	<200				200	µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0				10.0	µg/L	EX	EPA6010B
2	Manganese, total recoverable	80.0				10.0	µg/L	EX	EPA6010B
0	Mercury, total recoverable	0.536				0.500	µg/L	EX	EPA7470A
0	Nitrate as nitrogen	4.500	J	Q		100	µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00				1.00	µg/L	EX	EPA8021B

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Well TRW 2 collected on 06/01/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
2	Trichloroethylene	36.0			1.00		µg/L	EX	EPA8021B
0	Gross alpha	6.23E-09±1.27E-09			5.90E-10		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.75E-09±1.30E-09	J	I	1.93E-09		µCi/mL	TM	EPA900.0M

**WELL TRW 3**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/22/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 5  
 Sp. conductance: 52 µS/cm  
 Turbidity: 7 NTU  
 Water evacuated from the well prior to sampling: 1 gal

Time: 9:15  
 Water temperature: 21.7°C  
 Air temperature: 21.9°C  
 Total alkalinity (as CaCO3): 9 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0	Boron, total recoverable	<100	U		100		µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	2.05			1.00		µg/L	EX	EPA8021B
0	Iron, total recoverable	25.1	J	I	200		µg/L	EX	EPA6010B
0	Lead, total recoverable	<100	U		100		µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
0	Manganese, total recoverable	6.09	J	I	10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A
0	Nitrate as nitrogen	1.420	J	Q	100		µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
2	Trichloroethylene	49.6	J	L	1.00		µg/L	EX	EPA8021B
0	Gross alpha	2.66E-09±9.20E-10	J	I	9.20E-10		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.06E-09±1.13E-09	J	I	1.69E-09		µCi/mL	TM	EPA900.0M

**WELL TRW 3**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/17/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 5.6  
 Sp. conductance: 54 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 9:00  
 Water temperature: 20.8°C  
 Air temperature: 19.8°C  
 Total alkalinity (as CaCO3): 8 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0	Boron, total recoverable	<100	U		100		µg/L	EX	EPA6010B
1	Carbon tetrachloride	3.00	U		1.00		µg/L	EX	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	1.50			1.00		µg/L	EX	EPA8021B
0	Iron, total recoverable	35.6	J	I	200		µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
0	Manganese, total recoverable	6.55	J	I	10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A
0	Nitrate as nitrogen	1.340	J	Q	100		µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
2	Trichloroethylene	49.0	J	L	1.00		µg/L	EX	EPA8021B
0	Gross alpha	1.97E-09±7.00E-10	J	I	7.50E-10		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.77E-09±9.30E-10	J	I	1.47E-09		µCi/mL	TM	EPA900.0M

**WELL TRW 3**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/01/99  
 Depth to water: 67.65 ft (20.62 m) below TOC  
 Water elevation: 86.85 ft (26.47 m) msl  
 pH: 5.8  
 Sp. conductance: 54 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 9:15  
 Water temperature: 21.3°C  
 Air temperature: 24.7°C  
 Total alkalinity (as CaCO3): 9 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0	Boron, total recoverable	10.0	J	I	100		µg/L	EX	EPA6010B
0	Carbon tetrachloride	2.00	J		1.00		µg/L	EX	EPA8021B
0	Chloroform	0.450	J	I	1.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	0.890	J	I	1.00		µg/L	EX	EPA8021B
0	Iron, total recoverable	4.60	J	I	200		µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
0	Manganese, total recoverable	5.60	J	I	10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A
0	Nitrate as nitrogen	1.200	J	Q	100		µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
2	Trichloroethylene	37.0	J		1.00		µg/L	EX	EPA8021B
0	Gross alpha	4.41E-09±1.03E-09			5.40E-10		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	5.10E-10±1.06E-09	U		1.82E-09		µCi/mL	TM	EPA900.0M

**WELL TRW 4**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/22/99  
 Depth to water: 64.4 ft (19.63 m) below TOC  
 Water elevation: 86.5 ft (26.37 m) msl  
 pH: 4.8  
 Sp. conductance: 84 µS/cm  
 Turbidity: 4 NTU  
 Water evacuated from the well prior to sampling: 1 gal

Time: 9:35  
 Water temperature: 22.1°C  
 Air temperature: 21.3°C  
 Total alkalinity (as CaCO3): 6 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0	Boron, total recoverable	10.1	J	I	100		µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Carbon tetrachloride	<5.00	U		5.00		µg/L	EX	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Chloroform	<5.00	U		5.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	1.47	J	K	1.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	EX	EPA8021B
2	Iron, total recoverable	867	J		200		µg/L	EX	EPA6010B
0	Lead, total recoverable	<100	U		100		µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
0	Manganese, total recoverable	17.5	J		10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A
0	Nitrate as nitrogen	4.630	J	Q	100		µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	EX	EPA8021B
2	Trichloroethylene	137	J	L	1.00		µg/L	EX	EPA8021B
2	Trichloroethylene	210	J	L	1.00		µg/L	EX	EPA8021B
0	Gross alpha	2.19E-09±8.80E-10	J	I	9.70E-10		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.45E-09±1.16E-09	J	I	1.71E-09		µCi/mL	TM	EPA900.0M

## WELL TRW 4

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/17/99  
 Depth to water: 64.49 ft (19.66 m) below TOC  
 Water elevation: 86.41 ft (26.34 m) msl  
 pH: 5.4  
 Sp. conductance: 85 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 9:45  
 Water temperature: 21.6°C  
 Air temperature: 21.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0 Aluminum, total recoverable	<42.8	U	V		146	µg/L	WA	EPA6010B
0 Boron, total recoverable	<100	U			100	µg/L	EX	EPA6010B
0 Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0 Carbon tetrachloride	2.40	J	L		2.00	µg/L	EX	EPA8021B
1 Carbon tetrachloride	3.10				1.00	µg/L	EX	EPA8021B
0 Carbon tetrachloride	<10.0	U			10.0	µg/L	WA	EPA8021B
0 Chloroform	<2.00	U			2.00	µg/L	EX	EPA8021B
0 Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Chloroform	<10.0	U			10.0	µg/L	WA	EPA8021B
0 cis-1,2-Dichloroethylene	<2.00	U			2.00	µg/L	EX	EPA8021B
0 cis-1,2-Dichloroethylene	1.10				1.00	µg/L	EX	EPA8021B
0 cis-1,2-Dichloroethylene	<10.0	U			10.0	µg/L	WA	EPA8021B
0 Iron, total recoverable	17.4	J	I		200	µg/L	EX	EPA6010B
0 Iron, total recoverable	29.9	J	I		74.0	µg/L	WA	EPA6010B
0 Iron, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0 Manganese, total recoverable	16.6				10.0	µg/L	EX	EPA6010B
0 Manganese, total recoverable	15.7				7.80	µg/L	WA	EPA6010B
0 Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0 Mercury, total recoverable	<0.710	U			0.710	µg/L	WA	EPA7470A
0 Nitrate as nitrogen	4.690	J	Q	Q	100	µg/L	EX	EPA300.0
0 Nitrate as nitrogen	3.920	J	Q	Q	200	µg/L	WA	EPA353.2
0 Nitrate as nitrogen	3.940	J	Q	Q	200	µg/L	WA	EPA353.2
0 Tetrachloroethylene	<2.00	U			2.00	µg/L	EX	EPA8021B
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Tetrachloroethylene	<10.0	U			10.0	µg/L	WA	EPA8021B
0 1,1,1-Trichloroethane	<2.00	U			2.00	µg/L	EX	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0 1,1,1-Trichloroethane	<10.0	U			10.0	µg/L	WA	EPA8021B
2 Trichloroethylene	160	J	L	I	2.00	µg/L	EX	EPA8021B
2 Trichloroethylene	140	J	L	I	1.00	µg/L	EX	EPA8021B
2 Trichloroethylene	230				10.0	µg/L	WA	EPA8021B
0 Gross alpha	2.53E-09±7.88E-10				7.90E-10	µCi/mL	GP	EPIA-001
0 Gross alpha	2.95E-09±8.25E-10				4.98E-10	µCi/mL	GP	EPIA-001
0 Gross alpha	1.70E-09±7.20E-10	J	I		8.50E-10	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	2.03E-09±7.79E-10	J	I		1.42E-09	µCi/mL	GP	EPIA-001
0 Nonvolatile beta	2.72E-09±7.32E-10	J	I		1.11E-09	µCi/mL	GP	EPIA-001
0 Nonvolatile beta	1.91E-09±9.60E-10	J	I		1.50E-09	µCi/mL	TM	EPA900.0M

## WELL TRW 4 Replicate

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/17/99  
 Depth to water: 64.49 ft (19.66 m) below TOC  
 Water elevation: 86.41 ft (26.34 m) msl  
 pH: 5.4  
 Sp. conductance: 85 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 9:45  
 Water temperature: 21.6°C  
 Air temperature: 21.1°C  
 Total alkalinity (as CaCO<sub>3</sub>): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0 Boron, total recoverable	<100	U			100	µg/L	EX	EPA6010B
0 Carbon tetrachloride	<2.00	U			2.00	µg/L	EX	EPA8021B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Chloroform	<2.00	U			2.00	µg/L	EX	EPA8021B
0 Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0 cis-1,2-Dichloroethylene	<2.00	U			2.00	µg/L	EX	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Iron, total recoverable	73.7	J	I		200	µg/L	EX	EPA6010B
0 Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B

ESH-EMS-990521

Well TRW 4 collected on 05/17/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Manganese, total recoverable	17.2				10.0	µg/L	EX	EPA6010B
0 Mercury, total recoverable	<1.02	U		6	0.500	µg/L	EX	EPA7470A
0 Nitrate as nitrogen	4.650	J	Q		200	µg/L	EX	EPA300.0
0 Nitrate as nitrogen	4.750	J	Q		200	µg/L	EX	EPA300.0
0 Tetrachloroethylene	<2.00	U			2.00	µg/L	EX	EPA8021B
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 1,1,1-Trichloroethane	<2.00	U			2.00	µg/L	EX	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
2 Trichloroethylene	170	J	L	I	2.00	µg/L	EX	EPA8021B
2 Trichloroethylene	140	J	L	I	1.00	µg/L	EX	EPA8021B
0 Gross alpha	1.32E-09±7.20E-10	J			1.00E-09	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	1.73E-09±1.25E-09	U			2.05E-09	µCi/mL	TM	EPA900.0M

## WELL TRW 4

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/01/99  
 Depth to water: 62.92 ft (19.18 m) below TOC  
 Water elevation: 87.98 ft (26.82 m) msl  
 pH: 5.5  
 Sp. conductance: 87 µS/cm  
 Turbidity: 0 NTU  
 The well was continuously pumping.

Time: 10:10  
 Water temperature: 21.8°C  
 Air temperature: 26.7°C  
 Total alkalinity (as CaCO<sub>3</sub>): 11 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0 Boron, total recoverable	11.0	J	I		100	µg/L	EX	EPA6010B
1 Carbon tetrachloride	3.20	J	K	O	1.00	µg/L	EX	EPA8021B
0 Carbon tetrachloride	<10.0	U			10.0	µg/L	EX	EPA8021B
0 Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Chloroform	<10.0	U			10.0	µg/L	EX	EPA8021B
0 cis-1,2-Dichloroethylene	0.970	J	IL		1.00	µg/L	EX	EPA8021B
0 cis-1,2-Dichloroethylene	<10.0	U			10.0	µg/L	EX	EPA8021B
0 Iron, total recoverable	33.0	J	I		200	µg/L	EX	EPA6010B
0 Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Manganese, total recoverable	17.0				10.0	µg/L	EX	EPA6010B
0 Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0 Nitrate as nitrogen	4.600	J	Q		100	µg/L	EX	EPA300.0
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Tetrachloroethylene	<10.0	U			10.0	µg/L	EX	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0 1,1,1-Trichloroethane	<10.0	U			10.0	µg/L	EX	EPA8021B
2 Trichloroethylene	120	J	L	O	1.00	µg/L	EX	EPA8021B
2 Trichloroethylene	240	J	L	O	10.0	µg/L	EX	EPA8021B
0 Gross alpha	3.58E-09±9.90E-10	U			5.90E-10	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	1.71E-09±1.20E-09	U			1.94E-09	µCi/mL	TM	EPA900.0M

## WELL XSB 1A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/04/99  
 Depth to water: 60.95 ft (18.58 m) below TOC  
 Water elevation: 95.05 ft (28.97 m) msl  
 pH: 4.8  
 Sp. conductance: 71 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 84 gal

Time: 13:12  
 Water temperature: 22.9°C  
 Air temperature: 33°C  
 Total alkalinity (as CaCO<sub>3</sub>): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0 Barium, total recoverable	19.0				10.0	µg/L	EX	EPA6010B
0 Boron, total recoverable	580				100	µg/L	EX	EPA6010B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0 Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B

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**ANALYTICAL RESULTS**

Well XSB 1A collected on 05/04/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Iron, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
0	Manganese, total recoverable	<15.0	U		10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A
0	Nitrate as nitrogen	1.940	J	Q	100		µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Gross alpha	1.12E-09±7.60E-10	J	I	1.05E-09		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	3.30E-09±1.06E-09	J	I	1.51E-09		µCi/mL	TM	EPA900.0M

**WELL XSB 1B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/04/99  
 Depth to water: 55.85 ft (17.02 m) below TOC  
 Water elevation: 100.05 ft (30.5 m) msl  
 pH: 5  
 Sp. conductance: 30 µS/cm  
 Turbidity: 2 NTU  
 Water evacuated from the well prior to sampling: 160 gal

Time: 14:38  
 Water temperature: 22.3°C  
 Air temperature: 33.9°C  
 Total alkalinity (as CaCO3): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0	Barium, total recoverable	25.0	U		10.0		µg/L	EX	EPA6010B

Well XSB 1B collected on 05/04/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Boron, total recoverable	9.40	J	I	100		µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Chloroform	0.430	J	I	1.00		µg/L	EX	EPA8021B
0	Chloroform	0.430	J	I	1.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
2	Iron, total recoverable	870	U		200		µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
0	Manganese, total recoverable	17.0	U		10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A
0	Nitrate as nitrogen	<100	J	Q	100		µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Gross alpha	1.24E-09±6.60E-10	J	I	7.40E-10		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.47E-09±1.05E-09	J	I	1.59E-09		µCi/mL	TM	EPA900.0M

**WELL XSB 1D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/04/99  
 Depth to water: 60.94 ft (18.57 m) below TOC  
 Water elevation: 95.06 ft (28.97 m) msl  
 pH: 4.5  
 Sp. conductance: 62 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 30 gal

Time: 12:10  
 Water temperature: 22.7°C  
 Air temperature: 31°C  
 Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	72.0	J	I	200		µg/L	EX	EPA6010B
0	Barium, total recoverable	9.20	J	I	10.0		µg/L	EX	EPA6010B
0	Boron, total recoverable	55.0	J	I	100		µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Carbon tetrachloride	<5.00	U		5.00		µg/L	EX	EPA8021B

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Well XSB 1D collected on 05/04/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloroform	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Chloroform	<5.00	U		5.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	EX	EPA8021B
0	Iron, total recoverable	<24.0	U		200		µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U	V	10.0		µg/L	EX	EPA6010B
0	Manganese, total recoverable	9.40	J	I	10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	J		0.500		µg/L	EX	EPA7470A
0	Nitrate as nitrogen	4.050	J	Q	100		µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	EX	EPA8021B
2	Trichloroethylene	140	J	L	1.00		µg/L	EX	EPA8021B
2	Trichloroethylene	170	J	L	5.00		µg/L	EX	EPA8021B
0	Gross alpha	1.77E-09±7.00E-10	J	I	5.40E-10		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.17E-09±9.40E-10	J	I	1.42E-09		µCi/mL	TM	EPA900.0M

**WELL XSB 2D**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/07/99  
 Depth to water: 59.78 ft (18.22 m) below TOC  
 Water elevation: 95.02 ft (28.96 m) msl  
 pH: 5.2  
 Sp. conductance: 150 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 22 gal

Time: 8:20  
 Water temperature: 23.3°C  
 Air temperature: 17.2°C  
 Total alkalinity (as CaCO3): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0	Boron, total recoverable	733	U		100		µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	J	I	1.00		µg/L	EX	EPA8021B
0	Iron, total recoverable	21.0	J	I	200		µg/L	EX	EPA6010B
0	Lead, total recoverable	4.41	J	I	10.0		µg/L	EX	EPA6010B
0	Manganese, total recoverable	17.8	U		10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A
1	Nitrate as nitrogen	6.010	U		500		µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
2	Trichloroethylene	18.0	U		1.00		µg/L	EX	EPA8021B
0	Gross alpha	3.58E-09±1.14E-09	U		9.00E-10		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	5.14E-09±1.11E-09	U		1.39E-09		µCi/mL	TM	EPA900.0M

**WELL XSB 3A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/05/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: 4.9  
 Sp. conductance: 140 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 35 gal

Time: 9:16  
 Water temperature: 21.5°C  
 Air temperature: 20.3°C  
 Total alkalinity (as CaCO3): 4 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0	Boron, total recoverable	451	U		100		µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	J	I	1.00		µg/L	EX	EPA8021B
0	Iron, total recoverable	4.24	J	I	200		µg/L	EX	EPA6010B
0	Lead, total recoverable	4.40	J	I	10.0		µg/L	EX	EPA6010B
0	Manganese, total recoverable	11.8	J	I	10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	0.270	J	Q	0.500		µg/L	EX	EPA7470A
0	Nitrate as nitrogen	3.380	J		100		µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B

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Well XSB 3A collected on 05/05/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Trichloroethylene	7.00			1.00		µg/L	EX	EPA8021B
0	Gross alpha	2.88E-09±9.40E-10			6.60E-10		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.47E-09±1.15E-09	U		1.88E-09		µCi/mL	TM	EPA900.0M

## WELL XSB 4D

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/05/99  
 Depth to water: 59.58 ft (18.16 m) below TOC  
 Water elevation: 95.32 ft (29.05 m) msl  
 pH: 5.6  
 Sp. conductance: 120 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 35 gal

Time: 9:42  
 Water temperature: 20.8°C  
 Air temperature: 17.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0	Aluminum, total recoverable	<146	U		146		µg/L	WA	EPA6010B
0	Boron, total recoverable	475			100		µg/L	EX	EPA6010B
0	Boron, total recoverable	417			266		µg/L	WA	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	EX	EPA6010B
0	Iron, total recoverable	20.6	J		200		µg/L	WA	EPA6010B
0	Iron, total recoverable	<32.4	U	V	74.0		µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U		10.0		µg/L	WA	EPA6010B
0	Lead, total recoverable	<47.0	U		47.0		µg/L	EX	EPA6010B
0	Manganese, total recoverable	4.27	J	I	10.0		µg/L	WA	EPA6010B
0	Manganese, total recoverable	4.60	J	I	7.80		µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A
0	Mercury, total recoverable	0.0800	J	I	0.710		µg/L	WA	EPA7470A
0	Nitrate as nitrogen	3,330	J		100		µg/L	EX	EPA300.0
0	Nitrate as nitrogen	3,040	J		200		µg/L	WA	EPA353.2
0	Nitrate as nitrogen	3,070	J		200		µg/L	EX	EPA353.2
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	WA	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	WA	EPA8021B
1	Trichloroethylene	3.90	J	K	1.00		µg/L	EX	EPA8021B
1	Trichloroethylene	3.53	J		1.00		µg/L	WA	EPA8021B
1	Trichloroethylene	3.52	J		1.00		µg/L	EX	EPA8021B
0	Gross alpha	2.30E-09±8.05E-10	J	I	6.96E-10		µCi/mL	GP	EPIA-001
0	Gross alpha	3.40E-09±9.59E-10	J	I	5.43E-10		µCi/mL	GP	EPIA-001
0	Gross alpha	1.88E-09±7.80E-10	J	I	6.70E-10		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	2.49E-09±7.31E-10	J	I	1.23E-09		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.58E-09±7.16E-10	J	I	1.16E-09		µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.61E-09±1.16E-09	U		1.89E-09		µCi/mL	TM	EPA900.0M

## WELL XSB 4D Replicate

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/05/99  
 Depth to water: 59.58 ft (18.16 m) below TOC  
 Water elevation: 95.32 ft (29.05 m) msl  
 pH: 5.6  
 Sp. conductance: 120 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 35 gal

Time: 9:42  
 Water temperature: 20.8°C  
 Air temperature: 17.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0	Boron, total recoverable	466			100		µg/L	EX	EPA6010B

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Well XSB 4D collected on 05/05/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Iron, total recoverable	21.0	J	I	200		µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
0	Manganese, total recoverable	3.95	J	I	10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	0.200	J	I	0.500		µg/L	EX	EPA7470A
0	Nitrate as nitrogen	3,450	J	Q	100		µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
2	Trichloroethylene	45.0	J	K	1.00		µg/L	EX	EPA8021B
0	Gross alpha	2.57E-09±9.10E-10	J	O	6.70E-10		µCi/mL	TM	EPA900.0M
0	Gross alpha	2.15E-09±8.40E-10	J	I	6.80E-10		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.10E-09±1.14E-09	U		1.89E-09		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	9.30E-10±1.13E-09	U		1.90E-09		µCi/mL	TM	EPA900.0M

## WELL XSB 5A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/05/99  
 Depth to water: 17.1 ft (5.21 m) below TOC  
 Water elevation: 94.9 ft (28.93 m) msl  
 pH: 5.4  
 Sp. conductance: 130 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 37 gal

Time: 13:56  
 Water temperature: 19.8°C  
 Air temperature: 26.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 3 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0	Boron, total recoverable	712	U		100		µg/L	EX	EPA6010B
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	Iron, total recoverable	114	J	I	200		µg/L	EX	EPA6010B
0	Lead, total recoverable	18.0	U		10.0		µg/L	EX	EPA6010B
0	Manganese, total recoverable	8.13	J	I	10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	0.330	J	I	0.500		µg/L	EX	EPA7470A
1	Nitrate as nitrogen	5,630	J	Q	200		µg/L	EX	EPA300.0
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	EX	EPA8021B
2	Trichloroethylene	10.0	J	K	1.00		µg/L	EX	EPA8021B
0	Gross alpha	2.42E-09±9.00E-10	J	I	7.00E-10		µCi/mL	TM	EPA900.0M
0	Nonvolatile beta	1.76E-09±1.18E-09	U		1.90E-09		µCi/mL	TM	EPA900.0M

## WELL YSB 1A

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/05/99  
 Depth to water: 26.8 ft (8.17 m) below TOC  
 Water elevation: 118.7 ft (36.18 m) msl  
 pH: 5.7  
 Sp. conductance: 32 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 50 gal

Time: 13:30  
 Water temperature: 20.5°C  
 Air temperature: 26.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 4 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0	Boron, total recoverable	7.36	J	I	100		µg/L	EX	EPA6010B
0	Iron, total recoverable	69.0	J	I	200		µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
0	Manganese, total recoverable	1.29	J	I	10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A

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**WELL YSB 2A**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/05/99  
 Depth to water: 25.5 ft (7.77 m) below TOC  
 Water elevation: 119.2 ft (36.33 m) msl  
 pH: 5.7  
 Sp. conductance: 33 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 52 gal

Time: 13:02  
 Water temperature: 19.7°C  
 Air temperature: 26.5°C  
 Total alkalinity (as CaCO<sub>3</sub>): 4 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<200	U		200		µg/L	EX	EPA6010B
0	Boron, total recoverable	47.7	J	I	100		µg/L	EX	EPA6010B
0	Iron, total recoverable	113	J	I	200		µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
0	Manganese, total recoverable	1.61	J	I	10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A

**WELL YSB 3A**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/05/99  
 Depth to water: 26.11 ft (7.96 m) below TOC  
 Water elevation: 117.79 ft (35.9 m) msl  
 pH: 6.2  
 Sp. conductance: 82 µS/cm  
 Turbidity: 15 NTU  
 Water evacuated from the well prior to sampling: 60 gal

Time: 12:35  
 Water temperature: 20.8°C  
 Air temperature: 26.4°C  
 Total alkalinity (as CaCO<sub>3</sub>): 22 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	184	J	I	200		µg/L	EX	EPA6010B
0	Boron, total recoverable	1,030	J	I	100		µg/L	EX	EPA6010B
0	Iron, total recoverable	94.4	J	I	200		µg/L	EX	EPA6010B

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
0	Manganese, total recoverable	2.06	J	I	10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A

**WELL YSB 4A**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/05/99  
 Depth to water: 26.36 ft (8.03 m) below TOC  
 Water elevation: 118.24 ft (36.04 m) msl  
 pH: 5.6  
 Sp. conductance: 44 µS/cm  
 Turbidity: 4 NTU  
 Water evacuated from the well prior to sampling: 61 gal

Time: 11:38  
 Water temperature: 21.8°C  
 Air temperature: 21.3°C  
 Total alkalinity (as CaCO<sub>3</sub>): 5 mg/L  
 Phenolphthalein alkalinity: 0 mg/L  
 Field Qualifier(s): S

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
2	Aluminum, total recoverable	212			200		µg/L	EX	EPA6010B
0	Boron, total recoverable	129			100		µg/L	EX	EPA6010B
2	Iron, total recoverable	835			200		µg/L	EX	EPA6010B
0	Lead, total recoverable	<10.0	U		10.0		µg/L	EX	EPA6010B
0	Manganese, total recoverable	5.68	J	I	10.0		µg/L	EX	EPA6010B
0	Mercury, total recoverable	<0.500	U		0.500		µg/L	EX	EPA7470A

**NOTES**

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# ***Appendix C. Sampling Blanks Results***

This section presents the analytical results for sampling blanks analyzed during second quarter 1999.

**NOTES**

**SAMPLING BLANKS RESULTS**

**WELL QA 2B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/05/99  
 Depth to water: 138.12 ft (42.1 m) below TOC  
 Air temperature: 24.3°C  
 pH: 4.2  
 Sp. conductance: 2 µS/cm  
 Turbidity: 1 NTU

Time: 13:46  
 Water temperature: 24.5°C

Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<15.0	U			15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	<25.0	U			25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<2.00	U			2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	10.0	J	I	6	50.0	µg/L	GE	EPA353.1
0	pH	5.84	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	1.18				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	1.15				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	-7.30E-11±2.24E-10	U			6.23E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	-8.53E-11±5.35E-10	U			1.22E-09	µCi/mL	GP	EPIA-001
0	Tritium	-1.11E-07±3.16E-07	U			5.62E-07	µCi/mL	GP	EPIA-002

**WELL QA 4B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/15/99  
 Depth to water: 118.03 ft (35.98 m) below TOC  
 Air temperature: 18.5°C  
 pH: 4.9  
 Sp. conductance: 1 µS/cm  
 Turbidity: 0 NTU

Time: 9:41  
 Water temperature: 25.7°C

Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<15.0	U			15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	31.6	U		6	25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<0.371	JU	I	46	2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	<50.0	U			50.0	µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	<50.0	U			50.0	µg/L	GE	EPA353.1
0	pH	5.83	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	1.20				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	-7.25E-11±3.25E-10	U			9.03E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	-1.28E-10±6.10E-10	U			1.43E-09	µCi/mL	GP	EPIA-001
0	Tritium	-2.03E-07±3.07E-07	U			5.54E-07	µCi/mL	GP	EPIA-002

**WELL QA 6B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 133.4 ft (40.66 m) below TOC  
 Air temperature: 24°C  
 pH: 4.2  
 Sp. conductance: 2 µS/cm  
 Turbidity: 1 NTU

Time: 10:01  
 Water temperature: 24.5°C

Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<15.0	U			15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	<25.0	U			25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<2.00	U			2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	<50.0	U			50.0	µg/L	GE	EPA353.1
0	pH	5.68	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	1.11				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	-2.56E-11±2.30E-10	U			5.97E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	-4.05E-10±4.87E-10	U			1.17E-09	µCi/mL	GP	EPIA-001
0	Tritium	-1.75E-07±3.72E-07	U			6.63E-07	µCi/mL	GP	EPIA-002

**WELL QA 8B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/06/99  
 Depth to water: 67.5 ft (20.57 m) below TOC  
 Air temperature: 24.2°C  
 pH: 4.2  
 Sp. conductance: 2 µS/cm  
 Turbidity: 1 NTU

Time: 13:06  
 Water temperature: 24.5°C

Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<15.0	U			15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<0.314	JU	I	46	1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	<25.0	U			25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<0.417	JU	I	46	2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	<50.0	U			50.0	µg/L	GE	EPA353.1
0	pH	6.71	J	Q		0.100	pH	GE	EPA9040B
0	pH	6.69	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	1.01				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	1.05				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	2.86E-12±2.51E-10	U			6.32E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	-4.16E-11±5.39E-10	U			1.22E-09	µCi/mL	GP	EPIA-001
0	Tritium	-3.49E-07±3.61E-07	U			6.57E-07	µCi/mL	GP	EPIA-002

**WELL QA 10B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/15/99  
 Depth to water: 132.26 ft (40.31 m) below TOC  
 Air temperature: 17.6°C  
 pH: 4.9  
 Sp. conductance: 1 µS/cm  
 Turbidity: 0 NTU

Time: 8:43  
 Water temperature: 25.7°C

Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<15.0	U			15.0	µg/L	GE	EPA6020
0	Cadmium, total recoverable	<1.00	U			1.00	µg/L	GE	EPA6020
0	Iron, total recoverable	<25.0	U			25.0	µg/L	GE	EPA6020
0	Lead, total recoverable	<2.00	U			2.00	µg/L	GE	EPA6020
0	Nitrate-nitrite as nitrogen	<50.0	U			50.0	µg/L	GE	EPA353.1
0	pH	5.68	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	1.24				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.30E-10±2.11E-10	U			4.41E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	3.93E-10±4.97E-10	U			1.05E-09	µCi/mL	GP	EPIA-001
0	Tritium	-2.40E-08±3.21E-07	U			5.63E-07	µCi/mL	GP	EPIA-002

**WELL QA 12B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/19/99  
 Depth to water: 63.65 ft (19.4 m) below TOC  
 Air temperature: 24.1°C  
 pH: 7.2  
 Sp. conductance: 4 µS/cm  
 Turbidity: 0 NTU

Time: 14:40  
 Water temperature: 20.9°C

Total alkalinity (as CaCO<sub>3</sub>): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	<50.0	U			50.0	µg/L	GE	EPA353.1
0	pH	4.62	J	Q	X	0.100	pH	GE	EPA9040B
0	pH	4.62	J	Q	X	0.100	pH	GE	EPA9040B
0	Specific conductance	11.2				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	11.3				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.34E-10±3.77E-10	U			6.88E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	-3.98E-10±5.88E-10	U			1.45E-09	µCi/mL	GP	EPIA-001
0	Tritium	-3.82E-07±3.64E-07	U			6.67E-07	µCi/mL	GP	EPIA-002

WELL QA 14B

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/16/99  
 Depth to water: 43.7 ft (13.32 m) below TOC  
 Air temperature: 17.4°C  
 pH: 4.4  
 Sp. conductance: 1 µS/cm  
 Turbidity: 0 NTU

Time: 11:28  
 Water temperature: 25.7°C  
 Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	<10.0	U	V		50.0	µg/L	GE	EPA353.1
0	pH	5.56	J	Q		0.100	pH	GE	EPA9040B
0	pH	5.55	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	1.67				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	1.73				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	5.41E-12±2.38E-10	U			6.43E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	-7.88E-11±5.04E-10	U			1.42E-09	µCi/mL	GP	EPIA-001
2	Tritium	2.81E-04±5.54E-06		6		1.09E-06	µCi/mL	GP	EPIA-002

WELL QA 16B

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/22/99  
 Depth to water: 79.25 ft (24.16 m) below TOC  
 Air temperature: 14.7°C  
 pH: 5.1  
 Sp. conductance: 7 µS/cm  
 Turbidity: 0 NTU

Time: 8:34  
 Water temperature: 19.5°C  
 Total alkalinity (as CaCO3): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	10.0	J	I	6	50.0	µg/L	GE	EPA353.1
0	pH	4.75	J	Q		0.100	pH	GE	EPA9040B
0	pH	4.75	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	7.68				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	7.68				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	-4.77E-12±1.49E-10	U			4.30E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.37E-10±5.07E-10	U			1.10E-09	µCi/mL	GP	EPIA-001
0	Tritium	1.02E-08±3.53E-07	U			6.15E-07	µCi/mL	GP	EPIA-002

WELL QA 18B

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: 101.6 ft (30.97 m) below TOC  
 Air temperature: 14.5°C  
 pH: 5.4  
 Sp. conductance: 1 µS/cm  
 Turbidity: 1 NTU

Time: 7:10  
 Water temperature: 21.7°C  
 Total alkalinity (as CaCO3): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	20.0	J	I	6	50.0	µg/L	GE	EPA353.1
0	pH	5.78	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	1.23				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	3.30E-10±3.09E-10	U			5.58E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	2.12E-10±5.67E-10	U			1.23E-09	µCi/mL	GP	EPIA-001
0	Tritium	-2.87E-07±3.40E-07	U			6.19E-07	µCi/mL	GP	EPIA-002

WELL QA 20B

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/21/99  
 Depth to water: 16.35 ft (4.98 m) below TOC  
 Air temperature: 24.4°C  
 pH: 4.9  
 Sp. conductance: 1 µS/cm  
 Turbidity: 0 NTU

Time: 11:06  
 Water temperature: 23.4°C  
 Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	10.0	J	I	6	50.0	µg/L	GE	EPA353.1
0	pH	5.77	J	Q		0.100	pH	GE	EPA9040B
0	pH	5.78	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	1.25				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	1.26				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	-1.51E-11±2.59E-10	U			6.32E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	3.14E-10±5.36E-10	U			1.15E-09	µCi/mL	GP	EPIA-001
0	Tritium	-2.69E-07±3.20E-07	U			5.80E-07	µCi/mL	GP	EPIA-002

WELL QA 22B

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: 8.02 ft (2.44 m) below TOC  
 Air temperature: 15.8°C  
 pH: 4.7  
 Sp. conductance: 1 µS/cm  
 Turbidity: 0 NTU

Time: 7:14  
 Water temperature: 22.4°C  
 Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	20.0	J	I	6	50.0	µg/L	GE	EPA353.1
0	pH	5.75	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	1.30				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	1.78E-10±2.59E-10	U			5.17E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	-6.83E-11±4.50E-10	U			1.03E-09	µCi/mL	GP	EPIA-001
0	Tritium	-7.68E-08±3.43E-07	U			6.06E-07	µCi/mL	GP	EPIA-002

WELL QA 24B

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: 60.03 ft (18.3 m) below TOC  
 Air temperature: 21.6°C  
 pH: 5.4  
 Sp. conductance: 2 µS/cm  
 Turbidity: 1 NTU

Time: 9:35  
 Water temperature: 21.4°C  
 Total alkalinity (as CaCO3): 2 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Nitrate-nitrite as nitrogen	10.0	J	I	6	50.0	µg/L	GE	EPA353.1
0	Nitrate-nitrite as nitrogen	10.0	J	I	6	50.0	µg/L	GE	EPA353.1
0	pH	5.65	J	Q		0.100	pH	GE	EPA9040B
0	pH	5.66	J	Q		0.100	pH	GE	EPA9040B
0	Specific conductance	1.55				1.00	µS/cm	GE	EPA9050A
0	Specific conductance	1.57				1.00	µS/cm	GE	EPA9050A
0	Gross alpha	2.72E-10±2.70E-10	U			4.72E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	1.34E-10±4.90E-10	U			1.08E-09	µCi/mL	GP	EPIA-001
0	Tritium	3.41E-08±3.57E-07	U			6.21E-07	µCi/mL	GP	EPIA-002

**SAMPLING BLANKS RESULTS**

**WELL QA 26B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 56.3 ft (17.16 m) below TOC  
 Air temperature: 23.4°C  
 pH: 5.4  
 Sp. conductance: 1 µS/cm  
 Turbidity: 0 NTU

Time: 12:47  
 Water temperature: 24.8°C

Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Gross alpha	-1.30E-10±4.00E-10	U			9.00E-10	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	1.80E-10±9.80E-10	U			1.72E-09	µCi/mL	TM	EPA900.0M
0 Tritium	5.00E-08±3.20E-07	U			5.70E-07	µCi/mL	TM	EPA906.0M

**WELL QA 28B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/17/99  
 Depth to water: 101.6 ft (30.97 m) below TOC  
 Air temperature: 25.7°C  
 pH: 5.7  
 Sp. conductance: 1 µS/cm  
 Turbidity: 0 NTU

Time: 11:50  
 Water temperature: 21.1°C

Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Gross alpha	-7.00E-11±4.00E-10	U			8.50E-10	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	-7.00E-11±9.10E-10	U			1.62E-09	µCi/mL	TM	EPA900.0M
0 Tritium	0.00E+00±3.20E-07	U			5.80E-07	µCi/mL	TM	EPA906.0M

**WELL QA 30B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/14/99  
 Depth to water: 55.28 ft (16.85 m) below TOC  
 Air temperature: 27.7°C  
 pH: 4.9  
 Sp. conductance: 1 µS/cm  
 Turbidity: 0 NTU

Time: 10:25  
 Water temperature: 23.7°C

Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Gross alpha	6.10E-10±5.50E-10	U			8.50E-10	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	1.31E-09±9.80E-10	U			1.60E-09	µCi/mL	TM	EPA900.0M
0 Tritium	2.90E-07±2.80E-07	U			4.60E-07	µCi/mL	TM	EPA906.0M

**WELL QA 38B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/03/99  
 Depth to water: 10.58 ft (3.22 m) below TOC  
 Air temperature: 24.7°C  
 pH: 4.7  
 Sp. conductance: 3 µS/cm  
 Turbidity: 0 NTU

Time: 9:34  
 Water temperature: 25.3°C

Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0 Antimony, total recoverable	<100	U			100	µg/L	EX	EPA6010B
0 Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Barium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Beryllium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Calcium, total recoverable	<1,000	U			1,000	µg/L	EX	EPA6010B
0 Chemical oxygen demand	<10,000	JU	L	C	10,000	µg/L	EX	EPA410.4
0 Chloride	<200	U			200	µg/L	EX	EPA300.0

Well QA 38B collected on 06/03/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Chloride	<200	U			200	µg/L	EX	EPA300.0
0 Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Cobalt, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0 Copper, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0 Cyanide	<10.0	U			10.0	µg/L	EX	EPA9014
0 Cyanide	<10.0	U			10.0	µg/L	EX	EPA9014
0 Iron, total recoverable	<200	U			200	µg/L	EX	EPA6010B
0 Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Magnesium, total recoverable	<1,000	U			1,000	µg/L	EX	EPA6010B
0 Manganese, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
0 Nickel, total recoverable	<50.0	U			50.0	µg/L	EX	EPA6010B
0 Nitrate-nitrite as nitrogen	<500	U			500	µg/L	EX	EPA300.0
0 Nitrate-nitrite as nitrogen	<500	U			500	µg/L	EX	EPA300.0
0 pH	5.57	J	Q		0.00	pH	EX	EPA150.1
0 pH	5.55	J	Q		0.00	pH	EX	EPA150.1
0 Potassium, total recoverable	<5,000	U			5,000	µg/L	EX	EPA6010B
0 Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
0 Sodium, total recoverable	<1,000	U			1,000	µg/L	EX	EPA6010B
0 Specific conductance	2.23				1.00	µS/cm	EX	EPA120.1
0 Sulfate	<200	U			200	µg/L	EX	EPA300.0
0 Sulfate	105	J	I	6	200	µg/L	EX	EPA300.0
0 Thallium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Total organic carbon	<5,000	U			5,000	µg/L	EX	EPA9060
0 Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0 Vanadium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
0 Zinc, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B

**WELL QA 44B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/25/99  
 Depth to water: 142.2 ft (43.34 m) below TOC  
 Air temperature: 33.1°C  
 pH: 5  
 Sp. conductance: 3 µS/cm  
 Turbidity: 0 NTU

Time: 9:09  
 Water temperature: 19.3°C

Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Alkalinity (as CaCO3)	<6.70	U			6,700	mg/L	WA	EPA310.1
0 Aluminum, total recoverable	<146	U			146	µg/L	WA	EPA6010B
0 Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
0 Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0 Barium, total recoverable	<1.80	U			1.80	µg/L	WA	EPA6010B
0 Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
0 Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
0 Chromium, total recoverable	<7.00	U			7.00	µg/L	WA	EPA6010B
0 Copper, total recoverable	<15.0	U			15.0	µg/L	WA	EPA6010B
0 Iron, total recoverable	<49.3	U	V		74.0	µg/L	WA	EPA6010B
0 Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
0 Lithium, total recoverable	<2.70	U			2.70	µg/L	WA	EPA6010B
0 Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA6010B
0 Nickel, total recoverable	<26.0	U			26.0	µg/L	WA	EPA7470A
0 Phenols	<37.0	U			37.0	µg/L	WA	EPA6010B
0 Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA9066
0 Silver, total recoverable	<0.820	JU	I	46	5.00	µg/L	WA	EPA6010B
0 Sulfate	266	J	I	6	340	µg/L	WA	EPA9056
0 Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
0 Total dissolved solids	<50,000	U			50,000	µg/L	WA	EPA160.1
0 Total dissolved solids	<50,000	U			50,000	µg/L	WA	EPA160.1
0 Total organic carbon	1.350			6	1,000	µg/L	WA	EPA9060
0 Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
0 Zinc, total recoverable	<53.0	U			53.0	µg/L	WA	EPA6010B
0 Carbon-14	-3.82E-09±4.36E-09	U			7.73E-09	µCi/mL	GP	EPIA-003
0 Carbon-14	-7.80E-10±4.45E-09	U			7.72E-09	µCi/mL	GP	EPIA-003
0 Gross alpha	4.12E-10±3.67E-10	U			6.40E-10	µCi/mL	GP	EPIA-001
0 Nonvolatile beta	2.33E-10±5.80E-10	U			1.29E-09	µCi/mL	GP	EPIA-001
0 Radium, total alpha-emitting	-1.00E-10±6.00E-10	U			1.37E-09	µCi/mL	GP	EPIA-010
0 Radium, total alpha-emitting	-3.00E-10±3.00E-10	U			9.41E-10	µCi/mL	GP	EPIA-010
0 Strontium-90	-6.54E-10±6.69E-10	U			1.34E-09	µCi/mL	GP	EPIA-004
0 Tritium	-3.76E-08±3.59E-07	U			6.31E-07	µCi/mL	GP	EPIA-002

**WELL QA 46B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/24/99  
 Depth to water: 69.51 ft (21.19 m) below TOC  
 Air temperature: 30.8°C  
 pH: 5.1  
 Sp. conductance: 1 µS/cm  
 Turbidity: 0 NTU

Time: 13:51  
 Water temperature: 21.2°C

Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
Alkalinity (as CaCO3)	1.46	J	I	6	6,700	mg/L	WA	EPA310.1
Alkalinity (as CaCO3)	0.976	J	I	6	6,700	mg/L	WA	EPA310.1
Aluminum, total recoverable	<25.2	U	V		146	µg/L	WA	EPA6010B
Antimony, total recoverable	<27.0	U			27.0	µg/L	WA	EPA6010B
Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
Barium, total recoverable	<1.80	U			1.80	µg/L	WA	EPA6010B
Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
Boron, total recoverable	<266	U			266	µg/L	WA	EPA6010B
Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
Bromomethane	<10.0	U			10.0	µg/L	WA	EPA6010B
Cadmium, total recoverable	<4.70	U			4.70	µg/L	WA	EPA6010B
Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
Chloroethene (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
Chloromethane	<10.0	U			10.0	µg/L	WA	EPA6010B
Chromium, total recoverable	<7.00	U			7.00	µg/L	WA	EPA6010B
Copper, total recoverable	<15.0	U			15.0	µg/L	WA	EPA8260B
Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
Dichloromethane	<4.57	U	V		5.00	µg/L	WA	EPA8260B
1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
Iron, total recoverable	<74.0	U			74.0	µg/L	WA	EPA6010B
Lead, total recoverable	<47.0	U			47.0	µg/L	WA	EPA6010B
Lithium, total recoverable	<2.70	U			2.70	µg/L	WA	EPA6010B
Mercury, total recoverable	<0.700	U			0.700	µg/L	WA	EPA7470A
Nickel, total recoverable	<26.0	U			26.0	µg/L	WA	EPA6010B
Phenols	<37.0	U			37.0	µg/L	WA	EPA9066
Selenium, total recoverable	<66.0	U			66.0	µg/L	WA	EPA6010B
Silver, total recoverable	<5.00	U			5.00	µg/L	WA	EPA6010B
Sulfate	<340	U			340	µg/L	WA	EPA9056
1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
Tin, total recoverable	<70.0	U			70.0	µg/L	WA	EPA6010B
Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
Total dissolved solids	<50,000	JU	Q		50,000	µg/L	WA	EPA160.1
Total dissolved solids	<50,000	JU	Q		50,000	µg/L	WA	EPA160.1
Total organic carbon	923	J	I	6	1,000	µg/L	WA	EPA9060
Total organic halogens	<120	U			120	µg/L	WA	EPA9020B
1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B
Zinc, total recoverable	<53.0	U			53.0	µg/L	WA	EPA6010B
Carbon-14	7.87E-09±5.41E-09	U			8.87E-09	µCi/mL	GP	EPIA-003
Gross alpha	-3.57E-11±2.86E-10	U			7.35E-10	µCi/mL	GP	EPIA-001
Gross alpha	-7.93E-11±2.10E-10	U			6.04E-10	µCi/mL	GP	EPIA-001
Nonvolatile beta	3.48E-11±5.97E-10	U			1.33E-09	µCi/mL	GP	EPIA-001
Nonvolatile beta	1.60E-10±6.04E-10	U			1.33E-09	µCi/mL	GP	EPIA-001
Radium, total alpha-emitting	3.00E-10±5.00E-10	U			9.27E-10	µCi/mL	GP	EPIA-010
Strontium-90	-7.20E-10±1.01E-09	JU	L		2.25E-09	µCi/mL	GP	EPIA-004
Strontium-90	4.28E-10±1.18E-09	JU	L	C	2.44E-09	µCi/mL	GP	EPIA-004
Tritium	-1.30E-07±3.66E-07	U			6.51E-07	µCi/mL	GP	EPIA-002
Tritium	-4.75E-08±3.74E-07	U			6.57E-07	µCi/mL	GP	EPIA-002

ESH-EMS-990521

**WELL QA 48B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/03/99  
 Depth to water: 30.31 ft (9.24 m) below TOC  
 Air temperature: 28.7°C  
 pH: 6  
 Sp. conductance: 1 µS/cm  
 Turbidity: 0 NTU

Time: 9:49  
 Water temperature: 25.3°C

Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
Barium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
Iron, total recoverable	19.0	J	I	6	200	µg/L	EX	EPA6010B
Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
Gross alpha	3.30E-10±2.30E-10	J	I	6	1.10E-10	µCi/mL	TM	EPA900.0M
Tritium	-1.30E-07±3.10E-07	U			5.80E-07	µCi/mL	TM	EPA906.0M

**WELL QA 50B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/07/99  
 Depth to water: 26.03 ft (7.93 m) below TOC  
 Air temperature: 31.3°C  
 pH: 5.2  
 Sp. conductance: 4 µS/cm  
 Turbidity: 0 NTU

Time: 10:55  
 Water temperature: 24.8°C

Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
Arsenic, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
Barium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
Cadmium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
Chromium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
Iron, total recoverable	38.0	J	I	6	200	µg/L	EX	EPA6010B
Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
Selenium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
Silver, total recoverable	<20.0	U			20.0	µg/L	EX	EPA6010B
Thallium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
Gross alpha	4.90E-10±5.20E-10	U			8.40E-10	µCi/mL	TM	EPA900.0M
Tritium	-1.70E-07±3.00E-07	U			5.60E-07	µCi/mL	TM	EPA906.0M

**WELL QA 52B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/04/99  
 Depth to water: 46.75 ft (14.25 m) below TOC  
 Air temperature: 15.3°C  
 pH: 3.6  
 Sp. conductance: 7 µS/cm  
 Turbidity: 0 NTU

Time: 9:38  
 Water temperature: 15.9°C

Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
Aluminum, total recoverable	<200	U			200	µg/L	EX	EPA6010B
Barium, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
Boron, total recoverable	<100	U			100	µg/L	EX	EPA6010B
Iron, total recoverable	<22.0	U	V		200	µg/L	EX	EPA6010B
Lead, total recoverable	<10.0	U			10.0	µg/L	EX	EPA6010B
Manganese, total recoverable	2.70	J	I	6	10.0	µg/L	EX	EPA6010B
Mercury, total recoverable	<0.500	U			0.500	µg/L	EX	EPA7470A
Nitrate as nitrogen	<100	JU	Q		100	µg/L	EX	EPA300.0
Gross alpha	4.50E-10±5.40E-10	U			8.80E-10	µCi/mL	TM	EPA900.0M

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Second Quarter 1999

**SAMPLING BLANKS RESULTS**

Well QA 52B collected on 05/04/99 (cont.)

F Analyte	Result	FG	S	EMS SQL	Unit	Lab	Method
0 Nonvolatile beta	3.30E-10±8.70E-10	U		1.51E-09	µCi/mL	TM	EPA900.0M

**WELL QA 54B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/17/99  
 Depth to water: 64.49 ft (19.66 m) below TOC  
 Air temperature: 21.1°C  
 pH: 5.7  
 Sp. conductance: 1 µS/cm  
 Turbidity: 0 NTU

Time: 9:45  
 Water temperature: 21.1°C

Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F Analyte	Result	FG	S	EMS SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<200	U		200	µg/L	EX	EPA6010B
0 Boron, total recoverable	<100	U		100	µg/L	EX	EPA6010B
0 Iron, total recoverable	<200	U		200	µg/L	EX	EPA6010B
0 Lead, total recoverable	<10.0	U		10.0	µg/L	EX	EPA6010B
0 Manganese, total recoverable	<10.0	U		10.0	µg/L	EX	EPA6010B
0 Mercury, total recoverable	0.252	J	I	6 0.500	µg/L	EX	EPA7470A
0 Nitrate as nitrogen	<100	JU	Q	100	µg/L	EX	EPA300.0
0 Gross alpha	1.90E-10±3.70E-10	U		6.70E-10	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	-4.10E-10±7.90E-10	U		1.43E-09	µCi/mL	TM	EPA900.0M

**WELL QA 56B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/05/99  
 Depth to water: 59.58 ft (18.16 m) below TOC  
 Air temperature: 17.6°C  
 pH: 4.9  
 Sp. conductance: 7 µS/cm  
 Turbidity: 0 NTU

Time: 9:42  
 Water temperature: 19.3°C

Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F Analyte	Result	FG	S	EMS SQL	Unit	Lab	Method
0 Aluminum, total recoverable	<200	U		200	µg/L	EX	EPA6010B
0 Boron, total recoverable	<100	U		100	µg/L	EX	EPA6010B
0 Iron, total recoverable	<200	U		200	µg/L	EX	EPA6010B
0 Lead, total recoverable	<10.0	U		10.0	µg/L	EX	EPA6010B
0 Manganese, total recoverable	<10.0	U		10.0	µg/L	EX	EPA6010B
0 Mercury, total recoverable	<0.500	U		0.500	µg/L	EX	EPA7470A
0 Nitrate as nitrogen	<100	JU	Q	100	µg/L	EX	EPA300.0
0 Gross alpha	2.30E-10±3.00E-10	U		4.90E-10	µCi/mL	TM	EPA900.0M
0 Nonvolatile beta	-2.10E-09±8.70E-10	U		1.78E-09	µCi/mL	TM	EPA900.0M

**WELL QA 58B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: 38.69 ft (11.79 m) below TOC  
 Air temperature: 16.2°C  
 pH: 4.4  
 Sp. conductance: 1 µS/cm  
 Turbidity: 0 NTU

Time: 8:57  
 Water temperature: 25.7°C

Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F Analyte	Result	FG	S	EMS SQL	Unit	Lab	Method
0 Acenaphthene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Acenaphthylene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Aldrin	<0.0202	U		0.0202	µg/L	GE	EPA8081A
0 Aluminum, total recoverable	<50.0	U		50.0	µg/L	GE	EPA6010B
0 Anthracene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Antimony, total recoverable	<10.0	U		10.0	µg/L	GE	EPA6010B
0 Arsenic, total recoverable	<5.00	U		5.00	µg/L	GE	EPA6010B
0 Barium, total recoverable	<5.00	U		5.00	µg/L	GE	EPA6010B
0 alpha-Benzene hexachloride	<0.0202	U		0.0202	µg/L	GE	EPA8081A
0 beta-Benzene hexachloride	<0.0202	U		0.0202	µg/L	GE	EPA8081A

Well QA -58B collected on 04/14/99 (cont.)

F Analyte	Result	FG	S	EMS SQL	Unit	Lab	Method
0 delta-Benzene hexachloride	<0.0202	U		0.0202	µg/L	GE	EPA8081A
0 Benzidine	<49.5	U		49.5	µg/L	GE	EPA8270C
0 Benzo(a)anthracene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Benzo(b)fluoranthene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Benzo(k)fluoranthene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Benzoic acid	<19.8	U		19.8	µg/L	GE	EPA8270C
0 Benzo(g,h,i)perylene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Benzo(a)pyrene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Benzyl alcohol	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Beryllium, total recoverable	<5.00	U		5.00	µg/L	GE	EPA6010B
0 Bis(2-chloroethoxy) methane	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Bis(2-chloroethyl) ether	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Bis(2-chloroisopropyl) ether	<9.90	U		9.90	µg/L	GE	EPA8270C
2 Bis(2-ethylhexyl) phthalate	45.1	U		6 9.90	µg/L	GE	EPA8270C
0 4-Bromophenyl phenyl ether	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Butylbenzyl phthalate	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Cadmium, total recoverable	<5.00	U		5.00	µg/L	GE	EPA6010B
0 Calcium, total recoverable	<100	U		100	µg/L	GE	EPA6010B
0 alpha-Chlordane	<0.0202	U		0.0202	µg/L	GE	EPA8081A
0 gamma-Chlordane	<0.0202	U		0.0202	µg/L	GE	EPA8081A
0 4-Chloroaniline	<9.90	U		9.90	µg/L	GE	EPA8270C
0 4-Chloro-m-cresol	<9.90	U		9.90	µg/L	GE	EPA8270C
0 2-Chloronaphthalene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 2-Chlorophenol	<9.90	U		9.90	µg/L	GE	EPA8270C
0 4-Chlorophenyl phenyl ether	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Chromium, total recoverable	<5.00	U		5.00	µg/L	GE	EPA6010B
0 Chrysene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Cobalt, total recoverable	<5.00	U		5.00	µg/L	GE	EPA6010B
0 Copper, total recoverable	<5.00	U		5.00	µg/L	GE	EPA6010B
0 m/p-Cresol	<9.90	U		9.90	µg/L	GE	EPA8270C
0 o-Cresol (2-Methylphenol)	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Cyanide	<10.0	U		10.0	µg/L	GE	EPA9012A
0 p,p'-DDD	<0.0404	U		0.0404	µg/L	GE	EPA8081A
0 p,p'-DDE	<0.0404	U		0.0404	µg/L	GE	EPA8081A
0 p,p'-DDT	<0.0404	U		0.0404	µg/L	GE	EPA8081A
0 Dibenz(a,h)anthracene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Dibenzofuran	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Di-n-butyl phthalate	<9.90	U		9.90	µg/L	GE	EPA8270C
0 1,2-Dichlorobenzene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 1,3-Dichlorobenzene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 1,4-Dichlorobenzene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 3,3'-Dichlorobenzidine	<19.8	U		19.8	µg/L	GE	EPA8270C
0 2,4-Dichlorophenol	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Dieldrin	<0.0404	U		0.0404	µg/L	GE	EPA8081A
0 Diethyl phthalate	<9.90	U		9.90	µg/L	GE	EPA8270C
0 2,4-Dimethyl phenol	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Dimethyl phthalate	<9.90	U		9.90	µg/L	GE	EPA8270C
0 2,4-Dinitrophenol	<19.8	U		19.8	µg/L	GE	EPA8270C
0 2,4-Dinitrotoluene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 2,6-Dinitrotoluene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Di-n-octyl phthalate	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Endosulfan sulfate	<0.0404	U		0.0404	µg/L	GE	EPA8081A
0 Endosulfan I	<0.0202	U		0.0202	µg/L	GE	EPA8081A
0 Endosulfan II	<0.0404	U		0.0404	µg/L	GE	EPA8081A
0 Endrin	<0.0404	U		0.0404	µg/L	GE	EPA8081A
0 Endrin aldehyde	<0.0404	U		0.0404	µg/L	GE	EPA8081A
0 Endrin ketone	<0.0404	U		0.0404	µg/L	GE	EPA8081A
0 Fluoranthene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Fluorene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Heptachlor	<0.0202	U		0.0202	µg/L	GE	EPA8081A
0 Heptachlor epoxide	<0.0202	U		0.0202	µg/L	GE	EPA8081A
0 Hexachlorobenzene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Hexachlorobutadiene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Hexachlorocyclopentadiene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Hexachloroethane	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Indeno(1,2,3-c,d)pyrene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Iron, total recoverable	<50.0	U		50.0	µg/L	GE	EPA6010B
0 Isophorone	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Lead, total recoverable	<5.00	U		5.00	µg/L	GE	EPA6010B
0 Lindane	<0.0202	U		0.0202	µg/L	GE	EPA8081A
0 Magnesium, total recoverable	<10.0	U		10.0	µg/L	GE	EPA6010B
0 Manganese, total recoverable	<10.0	U		10.0	µg/L	GE	EPA6010B
0 Mercury, total recoverable	<0.200	U		0.200	µg/L	GE	EPA7470A
0 Methoxychlor	<0.202	U		0.202	µg/L	GE	EPA8081A
0 2-Methyl-4,6-dinitrophenol	<9.90	U		9.90	µg/L	GE	EPA8270C
0 2-Methylnaphthalene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Naphthalene	<9.90	U		9.90	µg/L	GE	EPA8270C
0 Nickel, total recoverable	<5.00	U		5.00	µg/L	GE	EPA6010B

Well QA 58B collected on 04/14/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	m-Nitroaniline	<9.90	U			9.90	µg/L	GE	EPA8270C
0	o-Nitroaniline	<9.90	U			9.90	µg/L	GE	EPA8270C
0	p-Nitroaniline	<9.90	U			9.90	µg/L	GE	EPA8270C
0	Nitrobenzene	<9.90	U			9.90	µg/L	GE	EPA8270C
0	2-Nitrophenol	<9.90	U			9.90	µg/L	GE	EPA8270C
0	4-Nitrophenol	<9.90	U			9.90	µg/L	GE	EPA8270C
0	N-Nitrosodiphenylamine	<9.90	U			9.90	µg/L	GE	EPA8270C
0	N-Nitrosodipropylamine	<9.90	U			9.90	µg/L	GE	EPA8270C
0	PCB 1016	<0.100	U			0.100	µg/L	GE	EPA8082
0	PCB 1221	<0.100	U			0.100	µg/L	GE	EPA8082
0	PCB 1232	<0.100	U			0.100	µg/L	GE	EPA8082
0	PCB 1242	<0.100	U			0.100	µg/L	GE	EPA8082
0	PCB 1248	<0.100	U			0.100	µg/L	GE	EPA8082
0	PCB 1254	<0.100	U			0.100	µg/L	GE	EPA8082
0	PCB 1260	<0.100	U			0.100	µg/L	GE	EPA8082
0	Pentachlorophenol	<19.8	U			19.8	µg/L	GE	EPA8270C
0	Phenanthrene	<9.90	U			9.90	µg/L	GE	EPA8270C
0	Phenol	<9.90	U			9.90	µg/L	GE	EPA8270C
0	Potassium, total recoverable	<100	U			100	µg/L	GE	EPA6010B
0	Pyrene	<9.90	U			9.90	µg/L	GE	EPA8270C
0	Selenium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Sodium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Thallium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Toxaphene	<1.01	U			1.01	µg/L	GE	EPA8081A
0	1,2,4-Trichlorobenzene	<9.90	U			9.90	µg/L	GE	EPA8270C
0	2,4,5-Trichlorophenol	<9.90	U			9.90	µg/L	GE	EPA8270C
0	2,4,6-Trichlorophenol	<9.90	U			9.90	µg/L	GE	EPA8270C
0	Vanadium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Zinc, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Actinium-228	3.40E-09±6.89E-09	U			1.31E-08	µCi/mL	GP	EPIA-013
0	Actinium-226	3.54E-09±1.31E-08	U			1.50E-08	µCi/mL	GP	EPIA-013
0	Antimony-125	5.18E-09±4.85E-09	U			7.37E-09	µCi/mL	GP	EPIA-013
0	Antimony-125	5.81E-09±5.03E-09	U			9.57E-09	µCi/mL	GP	EPIA-013
0	Cerium-144	9.5E-09±1.14E-08	U			2.09E-08	µCi/mL	GP	EPIA-013
0	Cerium-144	4.78E-09±1.18E-08	U			2.12E-08	µCi/mL	GP	EPIA-013
0	Cesium-134	-3.79E-10±1.88E-09	U			2.89E-09	µCi/mL	GP	EPIA-013
0	Cesium-134	-3.79E-10±1.78E-09	U			3.33E-09	µCi/mL	GP	EPIA-013
0	Cesium-137	3.79E-10±1.78E-09	U			3.33E-09	µCi/mL	GP	EPIA-013
0	Cesium-137	8.50E-10±1.98E-09	U			3.75E-09	µCi/mL	GP	EPIA-013
0	Cobalt-57	-3.76E-10±1.51E-09	U			2.68E-09	µCi/mL	GP	EPIA-013
0	Cobalt-57	1.00E-09±1.51E-09	U			2.76E-09	µCi/mL	GP	EPIA-013
0	Cobalt-60	6.27E-10±1.79E-09	U			3.62E-09	µCi/mL	GP	EPIA-013
0	Cobalt-60	9.50E-10±1.75E-09	U			3.63E-09	µCi/mL	GP	EPIA-013
0	Europium-152	1.30E-09±4.93E-09	U			8.75E-09	µCi/mL	GP	EPIA-013
0	Europium-152	3.05E-09±5.63E-09	U			1.01E-08	µCi/mL	GP	EPIA-013
0	Europium-154	2.02E-10±5.38E-09	U			1.03E-08	µCi/mL	GP	EPIA-013
0	Europium-154	-2.44E-09±4.53E-09	U			7.98E-09	µCi/mL	GP	EPIA-013
0	Europium-155	1.86E-09±6.15E-09	U			1.12E-08	µCi/mL	GP	EPIA-013
0	Europium-155	-5.49E-09±7.23E-09	U			1.09E-08	µCi/mL	GP	EPIA-013
0	Gross alpha	4.00E-10±2.72E-10	U		6	3.74E-10	µCi/mL	GP	EPIA-001
0	Lead-212	6.45E-10±5.62E-09	U			5.32E-09	µCi/mL	GP	EPIA-013
0	Lead-212	3.79E-09±3.47E-09	U			6.30E-09	µCi/mL	GP	EPIA-013
0	Manganese-54	5.60E-10±1.89E-09	U			3.19E-09	µCi/mL	GP	EPIA-013
0	Manganese-54	3.79E-10±1.75E-09	U			3.27E-09	µCi/mL	GP	EPIA-013
0	Nonvolatile beta	1.71E-10±4.47E-10	U			9.74E-10	µCi/mL	GP	EPIA-001
0	Potassium-40	1.33E-08±3.53E-08	U			3.07E-08	µCi/mL	GP	EPIA-013
0	Potassium-40	-4.04E-09±2.30E-08	U			4.16E-08	µCi/mL	GP	EPIA-013
0	Promethium-144	1.39E-09±1.79E-09	U			3.46E-09	µCi/mL	GP	EPIA-013
0	Promethium-144	5.39E-10±1.93E-09	U			3.57E-09	µCi/mL	GP	EPIA-013
0	Promethium-146	6.72E-10±2.11E-09	U			3.78E-09	µCi/mL	GP	EPIA-013
0	Promethium-146	-4.46E-10±2.32E-09	U			4.19E-09	µCi/mL	GP	EPIA-013
0	Ruthenium-106	-5.50E-09±1.38E-08	U			2.44E-08	µCi/mL	GP	EPIA-013
0	Ruthenium-106	-3.13E-09±1.83E-08	U			3.26E-08	µCi/mL	GP	EPIA-013
0	Sodium-22	6.56E-11±1.92E-09	U			3.69E-09	µCi/mL	GP	EPIA-013
0	Sodium-22	-8.65E-10±1.62E-09	U			2.86E-09	µCi/mL	GP	EPIA-013
0	Yttrium-88	1.24E-09±1.86E-09	U			4.09E-09	µCi/mL	GP	EPIA-013
0	Yttrium-88	2.02E-09±3.63E-09	U			5.26E-09	µCi/mL	GP	EPIA-013
0	Zinc-65	-1.74E-09±3.81E-09	U			6.41E-09	µCi/mL	GP	EPIA-013
0	Zinc-65	-1.62E-09±4.07E-09	U			7.30E-09	µCi/mL	GP	EPIA-013

**WELL QA 62B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/13/99  
 Depth to water: 7.4 ft (2.26 m) below TOC  
 Air temperature: 12.7°C  
 pH: 5.4  
 Sp. conductance: 1 µS/cm  
 Turbidity: 0 NTU

Time: 9:08  
 Water temperature: 24.8°C

Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Octachlorodibenzo-p-dioxin	<3.20	U			10.1	ng/L	WA	EPA8280A
0	Acenaphthene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Acenaphthylene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Acetophenone	<10.2	U			10.2	µg/L	WA	EPA8270C
0	2-Acetylaminofluorene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Aluminum, total recoverable	<146	U			146	µg/L	WA	EPA6010B
0	4-Aminobiphenyl	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Aniline	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Anthracene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Aramite	<20.4	U			20.4	µg/L	WA	EPA8270C
0	Arsenic, total recoverable	<40.0	U			40.0	µg/L	WA	EPA6010B
0	Benzo(a)anthracene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Benzo(b)fluoranthene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Benzo(k)fluoranthene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Benzo(g,h,i)perylene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Benzo(a)pyrene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Benzyl alcohol	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Bis(2-chloroethyl) methane	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Bis(2-chloroethyl) ether	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Bis(2-chloroisopropyl) ether	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Bis(2-ethylhexyl) phthalate	<10.2	U			10.2	µg/L	WA	EPA8270C
0	4-Bromophenyl phenyl ether	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Butylbenzyl phthalate	<10.2	U			10.2	µg/L	WA	EPA8270C
0	4-Chloroaniline	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Chlorobenzilate	<10.2	U			10.2	µg/L	WA	EPA8270C
0	2-Chloronaphthalene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	4-Chlorophenyl phenyl ether	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Chromlum, total recoverable	<7.00	U			7.00	µg/L	WA	EPA6010B
0	Chrysene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Diallate	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Dibenzo(a,h)anthracene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Dibenzofuran	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Di-n-butyl phthalate	<10.2	U			10.2	µg/L	WA	EPA8270C
0	1,2-Dichlorobenzene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	1,3-Dichlorobenzene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	1,4-Dichlorobenzene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	3,3'-Dichlorobenzidine	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Diethyl phthalate	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Dimethyl phthalate	<10.2	U			10.2	µg/L	WA	EPA8270C
0	p-Dimethylaminoazobenzene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	7,12-Dimethylbenz(a)anthracene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	3,3'-Dimethylbenzidine	<10.2	U			10.2	µg/L	WA	EPA8270C
0	a,a-Dimethylphenethylamine	<10.2	U			10.2	µg/L	WA	EPA8270C
0	1,3-Dinitrobenzene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	2,4-Dinitrotoluene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	2,6-Dinitrotoluene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Di-n-octyl phthalate	<10.2	U			10.2	µg/L	WA	EPA8270C
0	1,4-Dioxane	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Diphenylamine	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Endrin	<0.103	U			0.103	µg/L	WA	EPA8081A
0	Ethyl methacrylate	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Ethyl methanesulfonate	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Fluoranthene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Fluorene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Hexachlorobenzene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Hexachlorobutadiene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Hexachlorocyclopentadiene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Hexachloroethane	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Hexachlorophene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Hexachloropropene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Indeno(1,2,3-c,d)pyrene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Iron, total recoverable	<74.0	U			74.0	µg/L	WA	EPA6010B
0	Isophorone	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Isosafrole	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Manganese, total recoverable	<7.80	U			7.80	µg/L	WA	EPA6010B
0	Methapyrilene	<10.2	U			10.2	µg/L	WA	EPA8270C

**SAMPLING BLANKS RESULTS**

Well QA 62B collected on 04/13/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Methyl methacrylate	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Methyl methanesulfonate	<10.2	U			10.2	µg/L	WA	EPA8270C
0	3-Methylcholanthrene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	2-Methylnaphthalene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Naphthalene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	1,4-Naphthoquinone	<10.2	U			10.2	µg/L	WA	EPA8270C
0	1-Naphthylamine	<10.2	U			10.2	µg/L	WA	EPA8270C
0	2-Naphthylamine	<10.2	U			10.2	µg/L	WA	EPA8270C
0	m-Nitroaniline	<25.5	U			25.5	µg/L	WA	EPA8270C
0	o-Nitroaniline	<25.5	U			25.5	µg/L	WA	EPA8270C
0	p-Nitroaniline	<25.5	U			25.5	µg/L	WA	EPA8270C
0	Nitrobenzene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	4-Nitroquinoline-1-oxide	<20.4	U			20.4	µg/L	WA	EPA8270C
0	N-Nitrosodi-n-butylamine	<10.2	U			10.2	µg/L	WA	EPA8270C
0	N-Nitrosodiethylamine	<10.2	U			10.2	µg/L	WA	EPA8270C
0	N-Nitrosodimethylamine	<10.2	U			10.2	µg/L	WA	EPA8270C
0	N-Nitrosodiphenylamine	<10.2	U			10.2	µg/L	WA	EPA8270C
0	N-Nitrosodipropylamine	<10.2	U			10.2	µg/L	WA	EPA8270C
0	N-Nitrosomethylalylamine	<10.2	U			10.2	µg/L	WA	EPA8270C
0	N-Nitrosomorpholine	<10.2	U			10.2	µg/L	WA	EPA8270C
0	N-Nitrosopiperidine	<51.0	U			51.0	µg/L	WA	EPA8270C
0	N-Nitrosopyrrolidine	<10.2	U			10.2	µg/L	WA	EPA8270C
0	5-Nitro-o-toluidine	<10.2	U			10.2	µg/L	WA	EPA8270C
0	PCB 1260	<1.03	U			1.03	µg/L	WA	EPA8082
0	Pentachlorobenzene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Pentachloroethane	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Pentachloronitrobenzene	<51.0	U			51.0	µg/L	WA	EPA8270C
0	Phenacetin	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Phenanthrene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	p-Phenylenediamine	<10.2	U			10.2	µg/L	WA	EPA8270C
0	2-Picoline	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Pronamid	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Pyrene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Pyridine	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Safrole	<10.2	U			10.2	µg/L	WA	EPA8270C
0	1,2,4,5-Tetrachlorobenzene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	o-Toluidine	<10.2	U			10.2	µg/L	WA	EPA8270C
0	1,2,4-Trichlorobenzene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	1,3,5-Trinitrobenzene	<10.2	U			10.2	µg/L	WA	EPA8270C
0	Radium, total alpha-emitting	3.60E-10±5.50E-10	U			9.60E-10	µCi/mL	TM	EPA903.0M
0	Tritium	1.20E-07±3.30E-07	U			5.70E-07	µCi/mL	TM	EPA906.0M

**WELL QA 64B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/14/99  
 Depth to water: 14.45 ft (4.4 m) below TOC  
 Air temperature: 22.1°C  
 pH: 3.8  
 Sp. conductance: 20 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 1 gal

Time: 11:14  
 Water temperature: 22.5°C

Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon-14	-2.83E-09±4.76E-09	U			8.39E-09	µCi/mL	GP	EPIA-003

**WELL QA 66B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/17/99  
 Depth to water: 27.15 ft (8.28 m) below TOC  
 Air temperature: 19.4°C  
 pH: 4  
 Sp. conductance: 40 µS/cm  
 Turbidity: 1 NTU

Time: 9:50  
 Water temperature: 23.7°C

Total alkalinity (as CaCO3): 0 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon-14	1.07E-09±4.17E-09	U			7.13E-09	µCi/mL	GP	EPIA-003

**ESH-EMS-990521**

**WELL QA 68B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/12/99  
 Depth to water: 50.8 ft (15.46 m) below TOC  
 Air temperature: 22.4°C  
 pH: 6.5  
 Sp. conductance: 1 µS/cm  
 Turbidity: 0 NTU

Time: 13:35  
 Water temperature: 23.2°C

Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Aluminum, total recoverable	<50.0	U			50.0	µg/L	GE	EPA6010B
0	Beryllium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Bis(2-ethylhexyl) phthalate	<10.2	U	X		10.2	µg/L	GE	EPA8270C
0	Chromium, hexavalent	<20.0	JU	Q		20.0	µg/L	GE	EPA7196A
0	Chromium, hexavalent	<20.0	JU	Q		20.0	µg/L	GE	EPA7196A
0	Chromium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Iron, total recoverable	<50.0	U			50.0	µg/L	GE	EPA6010B
0	pH	5.69	J	Q		0.100	pH	GE	EPA9040B
0	pH	5.70	J	Q		0.100	pH	GE	EPA9040B
0	Gross alpha	4.12E-10±3.73E-10	U			6.75E-10	µCi/mL	GP	EPIA-001
0	Radium-226	4.72E-10±3.27E-10	U	V		1.60E-10	µCi/mL	GP	EPIA-008
0	Radium-226	4.66E-10±4.56E-10	U			7.00E-10	µCi/mL	GP	EPIA-008
0	Radium-228	4.25E-10±3.72E-10	U			7.59E-10	µCi/mL	GP	EPIA-008
0	Uranium-233/234	2.24E-11±5.17E-11	U			1.22E-10	µCi/mL	GP	EPIA-011
0	Uranium-235	<0.00E+00	U			5.27E-11	µCi/mL	GP	EPIA-011
0	Uranium-238	2.66E-11±5.11E-11	U			1.09E-10	µCi/mL	GP	EPIA-011

**WELL QA 100A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/09/99  
 Depth to water: Not available  
 Air temperature: 21.9°C  
 pH: 4.8  
 Sp. conductance: 2 µS/cm  
 Turbidity: 1 NTU

Time: 9:20  
 Water temperature: 25.6°C

Total alkalinity (as CaCO3): 1 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acenaphthene	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Acenaphthylene	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Aldrin	<0.0200	U			0.0200	µg/L	GE	EPA8081A
0	Aluminum, total recoverable	<50.0	U			50.0	µg/L	GE	EPA6010B
0	Anthracene	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Antimony, total recoverable	<10.0	U			10.0	µg/L	GE	EPA6010B
0	Arsenic, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Barium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	alpha-Benzene hexachloride	<0.0200	U			0.0200	µg/L	GE	EPA8081A
0	beta-Benzene hexachloride	<0.0200	U			0.0200	µg/L	GE	EPA8081A
0	delta-Benzene hexachloride	<0.0200	U			0.0200	µg/L	GE	EPA8081A
0	Benzidine	<50.0	U			50.0	µg/L	GE	EPA8270C
0	Benzo(a)anthracene	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Benzo(b)fluoranthene	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Benzo(k)fluoranthene	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Benzoic acid	<20.0	U			20.0	µg/L	GE	EPA8270C
0	Benzo(g,h,i)perylene	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Benzo(a)pyrene	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Benzyl alcohol	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Beryllium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Bis(2-chloroethoxy) methane	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Bis(2-chloroethyl) ether	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Bis(2-chloroisopropyl) ether	<10.0	U			10.0	µg/L	GE	EPA8270C
2	Bis(2-ethylhexyl) phthalate	27.2	U	6		10.0	µg/L	GE	EPA8270C
0	4-Bromophenyl phenyl ether	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Butylbenzyl phthalate	<10.0	U			10.0	µg/L	GE	EPA8270C
0	Cadmium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Calcium, total recoverable	<100	U			100	µg/L	GE	EPA6010B
0	alpha-Chlordane	<0.0200	U			0.0200	µg/L	GE	EPA8081A
0	gamma-Chlordane	<0.0200	U			0.0200	µg/L	GE	EPA8081A
0	4-Chloroaniline	<10.0	U			10.0	µg/L	GE	EPA8270C
0	4-Chloro-m-cresol	<10.0	U			10.0	µg/L	GE	EPA8270C
0	2-Chloronaphthalene	<10.0	U			10.0	µg/L	GE	EPA8270C
0	2-Chlorophenol	<10.0	U			10.0	µg/L	GE	EPA8270C
0	4-Chlorophenyl phenyl ether	<10.0	U			10.0	µg/L	GE	EPA8270C

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Second Quarter 1999

**SAMPLING BLANKS RESULTS**

Well QA 100A collected on 04/09/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chromium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Chrysene	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Cobalt, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Copper, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	m/p-Cresol	<10.00	U			10.00	µg/L	GE	EPA8270C
0	o-Cresol (2-Methylphenol)	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Cyanide	<10.00	U			10.00	µg/L	GE	EPA9012A
0	Cyanide	<10.00	U			10.00	µg/L	GE	EPA9012A
0	p,p'-DDD	<0.0400	U			0.0400	µg/L	GE	EPA8081A
0	p,p'-DDE	<0.0400	U			0.0400	µg/L	GE	EPA8081A
0	p,p'-DDT	<0.0400	U			0.0400	µg/L	GE	EPA8081A
0	Dibenz(a,h)anthracene	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Dibenzofuran	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Di-n-butyl phthalate	<10.00	U			10.00	µg/L	GE	EPA8270C
0	1,2-Dichlorobenzene	<10.00	U			10.00	µg/L	GE	EPA8270C
0	1,3-Dichlorobenzene	<10.00	U			10.00	µg/L	GE	EPA8270C
0	1,4-Dichlorobenzene	<10.00	U			10.00	µg/L	GE	EPA8270C
0	3,3'-Dichlorobenzidine	<20.00	U			20.00	µg/L	GE	EPA8270C
0	2,4-Dichlorophenol	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Dieldrin	<0.0400	U			0.0400	µg/L	GE	EPA8081A
0	Diethyl phthalate	<10.00	U			10.00	µg/L	GE	EPA8270C
0	2,4-Dimethyl phenol	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Dimethyl phthalate	<10.00	U			10.00	µg/L	GE	EPA8270C
0	2,4-Dinitrophenol	<20.00	U			20.00	µg/L	GE	EPA8270C
0	2,4-Dinitrotoluene	<10.00	U			10.00	µg/L	GE	EPA8270C
0	2,6-Dinitrotoluene	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Di-n-octyl phthalate	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Endosulfan sulfate	<0.0400	U			0.0400	µg/L	GE	EPA8081A
0	Endosulfan I	<0.0200	U			0.0200	µg/L	GE	EPA8081A
0	Endosulfan II	<0.0400	U			0.0400	µg/L	GE	EPA8081A
0	Endrin	<0.0400	U			0.0400	µg/L	GE	EPA8081A
0	Endrin aldehyde	<0.0400	U			0.0400	µg/L	GE	EPA8081A
0	Endrin ketone	<0.0400	U			0.0400	µg/L	GE	EPA8081A
0	Fluoranthene	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Fluorene	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Heptachlor	<0.0200	U			0.0200	µg/L	GE	EPA8081A
0	Heptachlor epoxide	<0.0200	U			0.0200	µg/L	GE	EPA8081A
0	Hexachlorobenzene	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Hexachlorobutadiene	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Hexachlorocyclopentadiene	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Hexachloroethane	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Indeno(1,2,3-c,d)pyrene	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Iron, total recoverable	<50.00	U			50.00	µg/L	GE	EPA6010B
0	Isophorone	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Lead, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Lindane	<0.0200	U			0.0200	µg/L	GE	EPA8081A
0	Magnesium, total recoverable	<10.00	U			10.00	µg/L	GE	EPA6010B
0	Manganese, total recoverable	<10.00	U			10.00	µg/L	GE	EPA6010B
0	Mercury, total recoverable	<0.200	U			0.200	µg/L	GE	EPA7470A
0	Methoxychlor	<0.200	U			0.200	µg/L	GE	EPA8081A
0	2-Methyl-4,6-dinitrophenol	<10.00	U			10.00	µg/L	GE	EPA8270C
0	2-Methylnaphthalene	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Naphthalene	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Nickel, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	m-Nitroaniline	<10.00	U			10.00	µg/L	GE	EPA8270C
0	o-Nitroaniline	<10.00	U			10.00	µg/L	GE	EPA8270C
0	p-Nitroaniline	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Nitrobenzene	<10.00	U			10.00	µg/L	GE	EPA8270C
0	2-Nitrophenol	<10.00	U			10.00	µg/L	GE	EPA8270C
0	4-Nitrophenol	<10.00	U			10.00	µg/L	GE	EPA8270C
0	N-Nitrosodiphenylamine	<10.00	U			10.00	µg/L	GE	EPA8270C
0	N-Nitrosodipropylamine	<10.00	U			10.00	µg/L	GE	EPA8270C
0	PCB 1016	<0.100	U			0.100	µg/L	GE	EPA8082
0	PCB 1221	<0.100	U			0.100	µg/L	GE	EPA8082
0	PCB 1232	<0.100	U			0.100	µg/L	GE	EPA8082
0	PCB 1242	<0.100	U			0.100	µg/L	GE	EPA8082
0	PCB 1248	<0.100	U			0.100	µg/L	GE	EPA8082
0	PCB 1254	<0.100	U			0.100	µg/L	GE	EPA8082
0	PCB 1260	<0.100	U			0.100	µg/L	GE	EPA8082
0	Pentachlorophenol	<20.00	U			20.00	µg/L	GE	EPA8270C
0	Phenanthrene	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Phenol	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Potassium, total recoverable	<100	U			100	µg/L	GE	EPA6010B
0	Pyrene	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Selenium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Silver, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Sodium, total recoverable	<500	U			500	µg/L	GE	EPA6010B

ESH-EMS-990521

Well QA 100A collected on 04/09/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Thallium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Total organic halogens	5.04	J	IL	C6	10.00	µg/L	GE	EPA9020B
0	Toxaphene	<1.00	U			1.00	µg/L	GE	EPA8081A
0	1,2,4-Trichlorobenzene	<10.00	U			10.00	µg/L	GE	EPA8270C
0	2,4,5-Trichlorophenol	<10.00	U			10.00	µg/L	GE	EPA8270C
0	2,4,6-Trichlorophenol	<10.00	U			10.00	µg/L	GE	EPA8270C
0	Vanadium, total recoverable	<5.00	U			5.00	µg/L	GE	EPA6010B
0	Zinc, total recoverable	<1.99	U	V		5.00	µg/L	GE	EPA6010B
0	Actinium-228	1.40E-08±8.81E-09	U			1.82E-08	µCi/mL	GP	EPIA-013
0	Antimony-125	1.46E-09±5.35E-09	U			9.63E-09	µCi/mL	GP	EPIA-013
0	Carbon-14	-1.22E-09±4.28E-09	U			7.47E-09	µCi/mL	GP	EPIA-003
0	Cerium-144	-5.86E-10±1.09E-08	U			1.81E-08	µCi/mL	GP	EPIA-013
0	Cesium-134	-4.61E-10±1.85E-09	U			3.12E-09	µCi/mL	GP	EPIA-013
0	Cesium-137	-1.47E-09±2.14E-09	U			3.68E-09	µCi/mL	GP	EPIA-013
0	Cobalt-57	-7.32E-10±1.41E-09	U			2.27E-09	µCi/mL	GP	EPIA-013
0	Cobalt-60	-2.30E-10±2.25E-09	U			4.27E-09	µCi/mL	GP	EPIA-013
0	Europium-152	-2.34E-09±6.17E-09	U			9.38E-09	µCi/mL	GP	EPIA-013
0	Europium-154	2.49E-10±6.71E-09	U			1.09E-08	µCi/mL	GP	EPIA-013
0	Europium-155	-1.22E-09±5.39E-09	U			8.95E-09	µCi/mL	GP	EPIA-013
0	Gross alpha	1.56E-10±2.37E-10	U			4.71E-10	µCi/mL	GP	EPIA-001
0	Gross alpha	7.98E-11±3.52E-10	U			8.04E-10	µCi/mL	GP	EPIA-001
0	Iodine-129	3.51E-10±7.82E-10	U			5.79E-10	µCi/mL	GP	EPIA-006
0	Iodine-129	2.62E-10±5.70E-10	U			8.50E-10	µCi/mL	GP	EPIA-006
0	Lead-212	3.24E-09±5.59E-09	U			7.04E-09	µCi/mL	GP	EPIA-013
0	Manganese-54	6.12E-10±2.08E-09	U			3.95E-09	µCi/mL	GP	EPIA-013
0	Nonvolatile beta	2.94E-10±4.58E-10	U			9.76E-10	µCi/mL	GP	EPIA-001
0	Nonvolatile beta	-5.95E-10±5.06E-10	U			1.24E-09	µCi/mL	GP	EPIA-001
0	Potassium-40	8.28E-09±3.79E-08	U			3.06E-08	µCi/mL	GP	EPIA-013
0	Promethium-144	-1.01E-09±2.06E-09	U			3.61E-09	µCi/mL	GP	EPIA-013
0	Promethium-146	-1.06E-09±2.59E-09	U			4.35E-09	µCi/mL	GP	EPIA-013
0	Ruthenium-106	-6.94E-09±1.86E-08	U			3.33E-08	µCi/mL	GP	EPIA-013
0	Sodium-22	1.04E-10±2.41E-09	U			3.92E-09	µCi/mL	GP	EPIA-013
0	Strontium-90	-1.02E-10±7.40E-10	U			1.68E-09	µCi/mL	GP	EPIA-004
0	Strontium-90	2.91E-10±6.21E-10	U			1.34E-09	µCi/mL	GP	EPIA-004
0	Technetium-99	-1.57E-09±6.37E-09	U			1.10E-08	µCi/mL	GP	EPIA-005
0	Thorium	-3.04E-07±3.86E-07	U			6.95E-07	µCi/mL	GP	EPIA-002
0	Yttrium-88	1.86E-09±2.63E-09	U			5.64E-09	µCi/mL	GP	EPIA-013
0	Zinc-65	-9.18E-10±5.13E-09	U			9.05E-09	µCi/mL	GP	EPIA-013

**WELL TRP100B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/22/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time:  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.00	U			10.00	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroform	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
2	Dichloromethane	6.58	U	8		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0									

**SAMPLING BLANKS RESULTS**

Well TRP100B collected on 04/22/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Toluene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		5.00		µg/L	WA	EPA8260B

**WELL TRP101B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/27/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		10.0		µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Toluene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		5.00		µg/L	WA	EPA8260B

**WELL TRP102B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/21/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		10.0		µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		10.0		µg/L	WA	EPA8260B

**ESH-EMS-990521**

Well TRP102B collected on 05/21/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloroform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Dichloromethane	<6.94	U	V	5.00		µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Toluene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		5.00		µg/L	WA	EPA8260B

**WELL TRP103B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/25/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<4.07	U	V	CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B

**WELL TRP104B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/07/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		10.0		µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Dichloromethane	<5.97	U	V	5.00		µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Toluene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		5.00		µg/L	WA	EPA8260B

**WELL TRP105B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/15/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<7.25	U	V	CX	5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B

**ESH-EMS-990521**

Well TRP105B collected on 06/15/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B

**WELL TRP106B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/16/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U		10.0		µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Chloroform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Toluene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Xylenes	<5.00	U		5.00		µg/L	WA	EPA8260B

**WELL TRP107B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/22/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromoform	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U		10.0		µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U		5.00		µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U		5.00		µg/L	WA	EPA8260B

**SAMPLING BLANKS RESULTS**

Well TRP107B collected on 06/22/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B

**WELL TRP108B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/24/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available

Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B

**WELL TRP115B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/11/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available

Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B

**WELL TRP116B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/13/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available

Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Chloroethene (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Chloroethyl vinyl ether	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B

**SAMPLING BLANKS RESULTS**

Well TRP116B collected on 05/13/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B

**WELL TRP118B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/19/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroethane	<10.00	U			10.00	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B

**WELL TRP119B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/15/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroethane	<10.00	U			10.00	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<5.00	U			5.00	µg/L	EX	EPA8260B

**ESH-EMS-990521**

Well TRP119B collected on 06/15/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dichloromethane	1.90	J	1	8	5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B

**WELL TRP125B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/15/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acrolein	<50.00	U			50.00	µg/L	EX	EPA8260B
0 Acrylonitrile	<50.00	U			50.00	µg/L	EX	EPA8260B
0 Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroethane	<10.00	U			10.00	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,4-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B

**SAMPLING BLANKS RESULTS**

**WELL TRP129B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/14/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Bromodichloromethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Bromoform	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Bromomethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Chlorobenzene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Chloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Chloroethene (Vinyl chloride)	<1.00	U			1.00	µg/L	GE	EPA8260B
0	2-Chloroethyl vinyl ether	<5.00	U			5.00	µg/L	GE	EPA8260B
0	Chloroform	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Chloromethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Dibromochloromethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	1,2-Dichloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethylene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	trans-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Dichloromethane	1.84	J	IK	08	5.00	µg/L	GE	EPA8260B
0	1,2-Dichloropropane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	cis-1,3-Dichloropropene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	trans-1,3-Dichloropropene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Ethylbenzene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	1,1,2,2-Tetrachloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Toluene	<1.00	JU	L	I	1.00	µg/L	GE	EPA8260B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	1,1,2-Trichloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Trichloroethylene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	GE	EPA8260B

**WELL TRP130B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/19/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Bromodichloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Bromoform	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Bromomethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Carbon tetrachloride	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chlorobenzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloroethene (Vinyl chloride)	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	2-Chloroethyl vinyl ether	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Chloroform	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Dibromochloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,2-Dichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	trans-1,2-Dichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Dichloromethane	<2.06	JU	LV	O	5.00	µg/L	GE	EPA8260B
0	1,2-Dichloropropane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	cis-1,3-Dichloropropene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	trans-1,3-Dichloropropene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Ethylbenzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B

**ESH-EMS-990521**

**Well TRP130B collected on 05/19/99 (cont.)**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,1,2,2-Tetrachloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Tetrachloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Toluene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1,1-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1,2-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Trichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Trichlorofluoromethane	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B

**WELL TRP131B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/11/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	Bromodichloromethane	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	Bromoform	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	Bromomethane	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	Carbon tetrachloride	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	Chlorobenzene	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	Chloroethane	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	Chloroethene (Vinyl chloride)	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	2-Chloroethyl vinyl ether	<5.00	JU		X	5.00	µg/L	GE	EPA8260B
0	Chloroform	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	Chloromethane	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	Dibromochloromethane	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethane	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	1,2-Dichloroethane	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethylene	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	trans-1,2-Dichloroethylene	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	Dichloromethane	<2.41	JU	V	X	5.00	µg/L	GE	EPA8260B
0	1,2-Dichloropropane	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	cis-1,3-Dichloropropene	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	trans-1,3-Dichloropropene	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	Ethylbenzene	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	1,1,2,2-Tetrachloroethane	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	Tetrachloroethylene	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	Toluene	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	1,1,1-Trichloroethane	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	1,1,2-Trichloroethane	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	Trichloroethylene	<1.00	JU		X	1.00	µg/L	GE	EPA8260B
0	Trichlorofluoromethane	<5.00	JU		X	5.00	µg/L	GE	EPA8260B

**WELL TRP132B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/23/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Bromodichloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Bromoform	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Bromomethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Carbon tetrachloride	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chlorobenzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloroethene (Vinyl chloride)	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	2-Chloroethyl vinyl ether	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B

Well TRP132B collected on 06/23/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloroform	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Dibromochloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,2-Dichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	trans-1,2-Dichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Dichloromethane	<1.38	JU	LV	O	5.00	µg/L	GE	EPA8260B
0	1,2-Dichloropropane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	cis-1,3-Dichloropropane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	trans-1,3-Dichloropropane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Ethylbenzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1,2,2-Tetrachloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Tetrachloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Toluene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1,1-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1,2-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Trichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Trichlorofluoromethane	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B

**WELL TRP135B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/04/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon disulfide	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	2-Hexanone	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Methyl isobutyl ketone	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Styrene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Vinyl acetate	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B

ESH-EMS-990521

**WELL TRP136B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/03/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U	L	C	5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B

**WELL TRP137B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/04/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0	Chloroethane (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B

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Second Quarter 1999

**SAMPLING BLANKS RESULTS**

Well TRP137B collected on 05/04/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8260B
0 Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0 Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B

**WELL TRP138B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/08/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chlorobenzene	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dichloromethane	3.40	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B

**ESH-EMS-990521**

**WELL TRP139B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/07/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Chloroethane (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0 2-Chloroethyl vinyl ether	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B

**WELL TRP140B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/11/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromomethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0 2-Chloroethyl vinyl ether	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chloroform	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 cis-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,3-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B

**C-17**

**Second Quarter 1999**

Well TRP140B collected on 05/11/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B

**WELL TRP141B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/07/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromomethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chloroethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0 Chloroethane (Vinyl chloride)	<10.00	U			10.00	µg/L	WA	EPA8260B
0 2-Chloroethyl vinyl ether	<10.00	U			10.00	µg/L	WA	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chloromethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Dichloromethane	<9.45	U	V		5.00	µg/L	WA	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B

**WELL TRP142B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/19/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Bromomethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0 Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Chloroethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B

**ESH-EMS-990521**

Well TRP142B collected on 05/19/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Chloroethene (Vinyl chloride)	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0 2-Chloroethyl vinyl ether	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0 Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Chloromethane	<10.00	U		CX	10.00	µg/L	WA	EPA8260B
0 Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Dichloromethane	<10.50	U	V	CX	5.00	µg/L	WA	EPA8260B
0 1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B

**WELL TRP143B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/20/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromomethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chloroethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0 Chloroethane (Vinyl chloride)	<10.00	U			10.00	µg/L	WA	EPA8260B
0 2-Chloroethyl vinyl ether	<10.00	U			10.00	µg/L	WA	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chloromethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Dichloromethane	<10.00	U	V		5.00	µg/L	WA	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B

**SAMPLING BLANKS RESULTS**

**WELL TRP144B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/20/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Bromodichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Bromoform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Bromomethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0 Carbon tetrachloride	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Chlorobenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Chloroethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0 Chloroethane (Vinyl chloride)	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0 2-Chloroethyl vinyl ether	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0 Chloroform	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Chloromethane	<10.0	U		CX	10.0	µg/L	WA	EPA8260B
0 Dibromochloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 1,2-Dichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Dichloromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 1,2-Dichloropropane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Ethylbenzene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Tetrachloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Toluene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Trichloroethylene	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Trichlorofluoromethane	<5.00	U		CX	5.00	µg/L	WA	EPA8260B
0 Xylenes	<5.00	U		CX	5.00	µg/L	WA	EPA8260B

**WELL TRP145B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/27/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0 2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Dichloromethane	<10.9	U	V		5.00	µg/L	WA	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B

**ESH-EMS-990521**

Well TRP145B collected on 05/27/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B

**WELL TRP146B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/01/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0 2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Dichloromethane	<4.51	U	V		5.00	µg/L	WA	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B

**WELL TRP147B**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 06/01/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B

Well TRP147B collected on 06/01/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethene (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<4.44	U	V		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B

**WELL TRP148B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/26/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Bromodichloromethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Bromoform	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Bromomethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Chlorobenzene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Chloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Chloroethene (Vinyl chloride)	<1.00	U			1.00	µg/L	GE	EPA8260B
0	2-Chloroethyl vinyl ether	<5.00	U			5.00	µg/L	GE	EPA8260B
0	Chloroform	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Chloromethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Dibromochloromethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	1,2-Dichloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethylene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	trans-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Dichloromethane	1.94	J	I	8	5.00	µg/L	GE	EPA8260B
0	1,2-Dichloropropane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	cis-1,3-Dichloropropene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	trans-1,3-Dichloropropene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Ethylbenzene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	1,1,2,2-Tetrachloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Toluene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	1,1,2-Trichloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Trichloroethylene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	GE	EPA8260B

**WELL TRP149B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/24/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Bromodichloromethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Bromoform	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Bromomethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Chlorobenzene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Chloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Chloroethene (Vinyl chloride)	<1.00	U			1.00	µg/L	GE	EPA8260B
0	2-Chloroethyl vinyl ether	<5.00	U			5.00	µg/L	GE	EPA8260B
0	Chloroform	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Chloromethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Dibromochloromethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	1,2-Dichloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethylene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	trans-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	GE	EPA8260B
0	1,2-Dichloropropane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	cis-1,3-Dichloropropene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	trans-1,3-Dichloropropene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Ethylbenzene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	1,1,2,2-Tetrachloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Toluene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	1,1,2-Trichloroethane	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Trichloroethylene	<1.00	U			1.00	µg/L	GE	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	GE	EPA8260B

**WELL TRP150B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Benzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Bromodichloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Bromoform	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Bromomethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Carbon disulfide	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Carbon tetrachloride	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chlorobenzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloroethene (Vinyl chloride)	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloroform	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Dibromochloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,2-Dichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethylene	<2.00	JU	L	O	2.00	µg/L	GE	EPA8260B
0	1,2-Dichloroethylene	<2.00	JU	L	O	2.00	µg/L	GE	EPA8260B
0	Dichloromethane	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	1,2-Dichloropropane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	cis-1,3-Dichloropropene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	trans-1,3-Dichloropropene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B

**SAMPLING BLANKS RESULTS**

Well TRP150B collected on 04/14/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Ethylbenzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	2-Hexanone	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Methyl ethyl ketone	<10.00	JU	L	O	10.00	µg/L	GE	EPA8260B
0	Methyl isobutyl ketone	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Styrene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1,2,2-Tetrachloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Tetrachloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Toluene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1,1-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1,2-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Trichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Vinyl acetate	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Xylenes	<2.00	JU	L	O	2.00	µg/L	GE	EPA8260B

**WELL TRP151B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/15/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time:  
 Water temperature: Not available

Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Benzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Bromodichloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Bromoform	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Bromomethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Carbon disulfide	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Carbon tetrachloride	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chlorobenzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloroethane (Vinyl chloride)	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloroform	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Dibromochloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,2-Dichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,2-Dichloroethylene	<2.00	JU	L	O	2.00	µg/L	GE	EPA8260B
0	Dichloromethane	1.34	J	L	Og	5.00	µg/L	GE	EPA8260B
0	1,2-Dichloropropane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	cis-1,3-Dichloropropane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	trans-1,3-Dichloropropane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Ethylbenzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	2-Hexanone	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Methyl ethyl ketone	<10.00	JU	L	O	10.00	µg/L	GE	EPA8260B
0	Methyl isobutyl ketone	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Styrene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1,2,2-Tetrachloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Tetrachloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Toluene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1,1-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1,2-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Trichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Vinyl acetate	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Xylenes	<2.00	JU	L	O	2.00	µg/L	GE	EPA8260B

**WELL TRP152B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/15/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time:  
 Water temperature: Not available

Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.00	JU	X		10.00	µg/L	WA	EPA8260B
0	Benzene	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.00	U	X		10.00	µg/L	WA	EPA8260B
0	Carbon disulfide	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.00	JU	X		10.00	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.00	JU	X		10.00	µg/L	WA	EPA8260B
0	Chloroform	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.00	JU	X		10.00	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethylene	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
2	Dichloromethane	6.17	J	Xg		5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropane	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropane	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	2-Hexanone	<10.00	JU	X		10.00	µg/L	WA	EPA8260B
0	Methyl ethyl ketone	<10.00	JU	X		10.00	µg/L	WA	EPA8260B
0	Methyl isobutyl ketone	<10.00	JU	X		10.00	µg/L	WA	EPA8260B
0	Styrene	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	JU	X		5.00	µg/L	WA	EPA8260B
0	Vinyl acetate	<10.00	JU	X		10.00	µg/L	WA	EPA8260B
0	Xylenes	<5.00	JU	X		5.00	µg/L	WA	EPA8260B

**WELL TRP153B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/14/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time:  
 Water temperature: Not available

Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.00	U			10.00	µg/L	WA	EPA8260B
0	2-Chloroethyl vinyl ether	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Chloroform	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.00	U			10.00	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B

**SAMPLING BLANKS RESULTS**

Well TRP153B collected on 04/14/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Dichloromethane	<4.59	U	V		5.00	µg/L	WA	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0 Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B

**WELL TRP156B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/02/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0 Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Chloroethene (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dibromoethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,4-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0 Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0 Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0 Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0 Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0 Propionitrile	<500	U			500	µg/L	EX	EPA8260B

**ESH-EMS-990521**

Well TRP156B collected on 06/02/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0 Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B

**WELL TRP157B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/08/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available

Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acetone	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Acetonitrile (Methyl cyanide)	<500	U			500	µg/L	EX	EPA8260B
0 Acrolein	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Acrylonitrile	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Allyl chloride	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Benzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromodichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromoform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Bromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Carbon disulfide	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Carbon tetrachloride	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroethane	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Chloroethene (Vinyl chloride)	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroform	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Chloroprene	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Dibromochloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dibromo-3-chloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dibromoethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dibromomethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,3-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,4-Dichlorobenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,4-Dichloro-2-butene	<20.0	U			20.0	µg/L	EX	EPA8260B
0 Dichlorodifluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,2-Dichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Dichloromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,2-Dichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0 cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,4-Dioxane	<1,000	U			1,000	µg/L	EX	EPA8260B
0 Ethyl methacrylate	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Ethylbenzene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 2-Hexanone	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Iodomethane (Methyl iodide)	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Isobutyl alcohol	<1,500	U			1,500	µg/L	EX	EPA8260B
0 Methacrylonitrile	<500	U			500	µg/L	EX	EPA8260B
0 Methyl ethyl ketone	<10.0	U			10.0	µg/L	EX	EPA8260B
0 Methyl isobutyl ketone	<5.00	U			5.00	µg/L	EX	EPA8260B
0 Methyl methacrylate	<50.0	U			50.0	µg/L	EX	EPA8260B
0 Pentachloroethane	<200	U			200	µg/L	EX	EPA8260B
0 Propionitrile	<500	U			500	µg/L	EX	EPA8260B
0 Styrene	<5.00	U			5.00	µg/L	EX	EPA8260B
0 1,1,1,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B

**C-22**

**Second Quarter 1999**

**SAMPLING BLANKS RESULTS**

Well TRP157B collected on 06/08/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Trichlorofluoromethane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	1,2,3-Trichloropropane	<5.00	U			5.00	µg/L	EX	EPA8260B
0	Vinyl acetate	<20.0	U			20.0	µg/L	EX	EPA8260B
0	Xylenes	<10.0	U			10.0	µg/L	EX	EPA8260B

**WELL TRP166B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/23/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon tetrachloride	<1.00	JU	L	O	1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	JU	L	O	1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	JU	L	O	1.00	µg/L	EX	EPA8021B
0	Tetrachloroethylene	<1.00	JU	L	O	1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	JU	L	IO	1.00	µg/L	EX	EPA8021B

**WELL TRP167B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/04/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B

**WELL TRP168B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/05/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B

ESH-EMS-990521

Well TRP168B collected on 05/05/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B

**WELL TRP169B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/07/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B

**WELL TRP170B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/18/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	EX	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	EX	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	EX	EPA8021B
0	Trichloroethylene	<1.00	JU	L	I	1.00	µg/L	EX	EPA8021B

**WELL TRP173B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/05/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon tetrachloride	1.20	R			1.00	µg/L	WA	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Tetrachloroethylene	2.10	R			1.00	µg/L	WA	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B

**WELL TRP174B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/06/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B

**WELL TRP175B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/18/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	JU	L	I	1.00	µg/L	WA	EPA8021B

**WELL TRP178B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/16/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Benzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Bromodichloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Bromoform	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Bromomethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Carbon disulfide	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Carbon tetrachloride	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chlorobenzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloroethane (Vinyl chloride)	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloroform	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Dibromochloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,2-Dichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,2-Dichloroethylene	<2.00	JU	L	O	2.00	µg/L	GE	EPA8260B
0	Dichloromethane	1.44	J	IL	O8	5.00	µg/L	GE	EPA8260B
0	1,2-Dichloropropane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B

ESH-EMS-990521

Well TRP178B collected on 04/16/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	cis-1,3-Dichloropropene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	trans-1,3-Dichloropropene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Ethylbenzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	2-Hexanone	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Methyl ethyl ketone	<10.0	JU	L	O	10.0	µg/L	GE	EPA8260B
0	Methyl isobutyl ketone	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Styrene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1,2,2-Tetrachloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Tetrachloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Toluene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1,1-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1,2-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Trichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Vinyl acetate	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Xylenes	<2.00	JU	L	O	2.00	µg/L	GE	EPA8260B

**WELL TRP180B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/10/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Benzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Bromodichloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Bromoform	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Bromomethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Carbon disulfide	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Carbon tetrachloride	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chlorobenzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloroethane (Vinyl chloride)	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloroform	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Chloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Dibromochloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,2-Dichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1-Dichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,2-Dichloroethylene	<2.00	JU	L	O	2.00	µg/L	GE	EPA8260B
0	Dichloromethane	2.01	J	IL	O8	5.00	µg/L	GE	EPA8260B
0	1,2-Dichloropropane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	cis-1,3-Dichloropropene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	trans-1,3-Dichloropropene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Ethylbenzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	2-Hexanone	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Methyl ethyl ketone	<10.0	JU	L	O	10.0	µg/L	GE	EPA8260B
0	Methyl isobutyl ketone	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Styrene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1,2,2-Tetrachloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Tetrachloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Toluene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1,1-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	1,1,2-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Trichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0	Vinyl acetate	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0	Xylenes	<2.00	JU	L	O	2.00	µg/L	GE	EPA8260B

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**WELL TRP181B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/11/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Trichloroethylene	<1.00	U		1.00		µg/L	GE	EPA8260B

**WELL TRP182B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/12/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Trichloroethylene	<1.00	U		1.00		µg/L	GE	EPA8260B

**WELL TRP184B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/07/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B

**WELL TRP185B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/09/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B

**ESH-EMS-990521**

**WELL TRP192B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/10/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B

**WELL TRP193B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/11/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B

**WELL TRP194B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/14/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon tetrachloride	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Chloroform	<1.00	U		1.00		µg/L	WA	EPA8021B
0	cis-1,2-Dichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Tetrachloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B
0	1,1,1-Trichloroethane	<1.00	U		1.00		µg/L	WA	EPA8021B
0	Trichloroethylene	<1.00	U		1.00		µg/L	WA	EPA8021B

**WELL TRP195B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/15/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Chloroform	<1.00	U			1.00	µg/L	WA	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	WA	EPA8021B
0 Trichloroethylene	<1.00	U			1.00	µg/L	WA	EPA8021B

**WELL TRP196B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/17/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Carbon tetrachloride	<1.00	JU	L	I	1.00	µg/L	WA	EPA8021B
0 Chloroform	<1.00	JU	L	I	1.00	µg/L	WA	EPA8021B
0 cis-1,2-Dichloroethylene	<1.00	JU	L	I	1.00	µg/L	WA	EPA8021B
0 Tetrachloroethylene	<1.00	JU	L	I	1.00	µg/L	WA	EPA8021B
0 1,1,1-Trichloroethane	<1.00	JU	L	I	1.00	µg/L	WA	EPA8021B
0 Trichloroethylene	<1.00	JU	L	I	1.00	µg/L	WA	EPA8021B

**WELL TRP202B**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 06/30/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acetone	<7.17	U	V		5.00	µg/L	ML	EPA8260B
0 Benzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Bromodichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Bromoform	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Bromomethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Carbon disulfide	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chlorobenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloroethene (Vinyl chloride)	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloroform	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Dibromochloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,2-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,2-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 cis-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 trans-1,2-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B

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Well TRP202B collected on 06/03/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Dichloromethane	<4.87	U	V		1.00	µg/L	ML	EPA8260B
0 1,2-Dichloropropane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 cis-1,3-Dichloropropane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 trans-1,3-Dichloropropane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Ethylbenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 2-Hexanone	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Methyl ethyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Methyl isobutyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Styrene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1,2,2-Tetrachloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Toluene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1,2-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Trichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Vinyl acetate	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Xylenes	<1.00	U			1.00	µg/L	ML	EPA8260B

**WELL TRP304A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acetone	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0 Benzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Bromodichloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Bromoform	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Bromomethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Carbon disulfide	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0 Carbon tetrachloride	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Chlorobenzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Chloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Chloroethene (Vinyl chloride)	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Chloroform	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Chloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Dibromochloromethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 1,1-Dichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 1,2-Dichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 1,1-Dichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 1,2-Dichloroethylene	<2.00	JU	L	O	2.00	µg/L	GE	EPA8260B
0 Dichloromethane	2.46	J	IL	O8	5.00	µg/L	GE	EPA8260B
0 1,2-Dichloropropane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 cis-1,3-Dichloropropane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 trans-1,3-Dichloropropane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Ethylbenzene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 2-Hexanone	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0 Methyl ethyl ketone	<10.0	JU	L	O	10.0	µg/L	GE	EPA8260B
0 Methyl isobutyl ketone	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0 Styrene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 1,1,2,2-Tetrachloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Tetrachloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Toluene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 1,1,1-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 1,1,2-Trichloroethane	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Trichloroethylene	<1.00	JU	L	O	1.00	µg/L	GE	EPA8260B
0 Vinyl acetate	<5.00	JU	L	O	5.00	µg/L	GE	EPA8260B
0 Xylenes	<2.00	JU	L	O	2.00	µg/L	GE	EPA8260B

**WELL TRP308A**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/12/99  
 Depth to water: Not available  
 Air temperature: Not available  
 pH: Not available  
 Sp. conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Benzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromodichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromoforn	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Bromomethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Carbon disulfide	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Carbon tetrachloride	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chlorobenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloroethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroethane (Vinyl chloride)	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Chloroforn	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Chloromethane	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Dibromochloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Dichloromethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,2-Dichloropropane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	cis-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	trans-1,3-Dichloropropene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Ethylbenzene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	2-Hexanone	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Methyl ethyl ketone	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Methyl isobutyl ketone	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Styrene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2,2-Tetrachloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Tetrachloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Toluene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,1-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	1,1,2-Trichloroethane	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Trichloroethylene	<5.00	U			5.00	µg/L	WA	EPA8260B
0	Vinyl acetate	<10.0	U			10.0	µg/L	WA	EPA8260B
0	Xylenes	<5.00	U			5.00	µg/L	WA	EPA8260B

**NOTES**

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# ***Appendix D. Analytical and Sampling Blanks Results for MSB Wells***

This section presents the field and analytical results for samples from five MSB wells collected during second quarter 1999 as well as the analytical results for sampling blanks analyzed for the project. Data collected from these wells were not subjected to the SRS Groundwater Monitoring Program standard verification and validation processes and are therefore not presented in the **Analytical Results** table in Appendix B of this report.

**NOTES**

**ANALYTICAL AND SAMPLING BLANKS RESULTS FOR MSB WELLS**

**Analytical Results**

**WELL MSB 90C**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/05/99  
 Depth to water: 114.21 ft (34.81 m) below TOC  
 Water elevation: Not available  
 pH: 5.6  
 Sp conductance: 36 µS/cm  
 Turbidity: 0 NTU  
 Water evacuated from the well prior to sampling: 181 gal  
 The well was continuously pumping.

Time: 13:44  
 Water temperature: 19.1°C  
 Air temperature: 25.6°C  
 Total alkalinity (as CaCO3): 24 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<7.66	U	V	8	5.00	µg/L	ML	EPA8260B
0	Benzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromodichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromoform	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromomethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Carbon disulfide	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chlorobenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroethane (Vinyl chloride)	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroform	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Dibromochloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Dichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloropropane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	cis-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	trans-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Ethylbenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Methyl ethyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Styrene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,2,2-Tetrachloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Toluene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,2-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Trichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Vinyl acetate	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Xylenes	<1.00	U			1.00	µg/L	ML	EPA8260B

**WELL MSB 90C**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/14/99  
 Depth to water: 114.22 ft (34.81 m) below TOC  
 Water elevation: Not available  
 pH: 5.6  
 Sp conductance: 32 µS/cm  
 Turbidity: 5 NTU  
 Water evacuated from the well prior to sampling: 191 gal  
 The well was continuously pumping.

Time: 10:45  
 Water temperature: 18.8°C  
 Air temperature: 24.4°C  
 Total alkalinity (as CaCO3): 20 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Benzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromodichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromoform	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromomethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Carbon disulfide	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	ML	EPA8260B

Well MSB 90C collected on 05/14/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chlorobenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroethane (Vinyl chloride)	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroform	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Dibromochloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Dichloromethane	<2.03	U	V	8	1.00	µg/L	ML	EPA8260B
0	1,2-Dichloropropane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	cis-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	trans-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Ethylbenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Methyl ethyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Styrene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,2,2-Tetrachloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Toluene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,2-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Trichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Vinyl acetate	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Xylenes	<1.00	U			1.00	µg/L	ML	EPA8260B

**WELL MSB 90C Replicate**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/14/99  
 Depth to water: 114.22 ft (34.81 m) below TOC  
 Water elevation: Not available  
 pH: 5.6  
 Sp conductance: 32 µS/cm  
 Turbidity: 5 NTU  
 Water evacuated from the well prior to sampling: 191 gal  
 The well was continuously pumping.

Time: 10:45  
 Water temperature: 18.8°C  
 Air temperature: 24.4°C  
 Total alkalinity (as CaCO3): 20 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Benzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromodichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromoform	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromomethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Carbon disulfide	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chlorobenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroethane (Vinyl chloride)	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroform	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Dibromochloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Dichloromethane	<2.06	U	V	8	1.00	µg/L	ML	EPA8260B
0	1,2-Dichloropropane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	cis-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	trans-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Ethylbenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Methyl ethyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Styrene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,2,2-Tetrachloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Toluene	<1.00	U			1.00	µg/L	ML	EPA8260B

**ANALYTICAL AND SAMPLING BLANKS RESULTS FOR MSB WELLS**

Well MSB 90C collected on 05/14/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1,2-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Trichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Vinyl acetate	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Xylenes	<1.00	U			1.00	µg/L	ML	EPA8260B

**WELL MSB 90TB**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/05/99  
 Depth to water: 138.24 ft (42.14 m) below TOC  
 Water elevation: Not available  
 pH: 5.6  
 Sp conductance: 26 µS/cm  
 Turbidity: 1 NTU  
 Water evacuated from the well prior to sampling: 368 gal  
 The well was continuously pumping.

Time: 15:33  
 Water temperature: 20.2°C  
 Air temperature: 23.3°C  
 Total alkalinity (as CaCO3): 24 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acetone	<8.08	U	V	8	5.00	µg/L	ML	EPA8260B
0 Benzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Bromodichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Bromoform	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Bromomethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Carbon disulfide	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chlorobenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloroethane (Vinyl chloride)	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloroform	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Dibromochloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,2-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,2-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Dichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,2-Dichloropropane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 cis-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 trans-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Ethylbenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 2-Hexanone	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Methyl ethyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Methyl isobutyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Styrene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1,2,2-Tetrachloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Toluene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1,2-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Trichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Vinyl acetate	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Xylenes	<1.00	U			1.00	µg/L	ML	EPA8260B

**WELL MSB 90TB**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/14/99  
 Depth to water: 138.02 ft (42.07 m) below TOC  
 Water elevation: Not available  
 pH: 5.3  
 Sp conductance: 21 µS/cm  
 Turbidity: 29 NTU  
 Water evacuated from the well prior to sampling: 435 gal  
 The well was continuously pumping.

Time: 10:00  
 Water temperature: 19.9°C  
 Air temperature: 20°C  
 Total alkalinity (as CaCO3): 12 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acetone	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Benzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Bromodichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B

**ESH-EMS-990521**

Well MSB 90TB collected on 05/14/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Bromoform	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Bromomethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Carbon disulfide	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chlorobenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloroethane (Vinyl chloride)	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloroform	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Dibromochloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,2-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,2-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Dichloromethane	<2.00	U	V	8	1.00	µg/L	ML	EPA8260B
0 1,2-Dichloropropane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 cis-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 trans-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Ethylbenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 2-Hexanone	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Methyl ethyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Methyl isobutyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Styrene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1,2,2-Tetrachloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Toluene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1,2-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Trichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Vinyl acetate	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Xylenes	<1.00	U			1.00	µg/L	ML	EPA8260B

**WELL MSB 91C**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/05/99  
 Depth to water: 104.44 ft (31.83 m) below TOC  
 Water elevation: Not available  
 pH: 5.2  
 Sp conductance: 16 µS/cm  
 Turbidity: 79 NTU  
 Water evacuated from the well prior to sampling: 736 gal  
 The well was continuously pumping.

Time: 12:35  
 Water temperature: 18.7°C  
 Air temperature: 25.6°C  
 Total alkalinity (as CaCO3): 32 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acetone	<5.47	U	V	68	5.00	µg/L	ML	EPA8260B
0 Benzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Bromodichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Bromoform	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Bromomethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Carbon disulfide	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chlorobenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloroethane (Vinyl chloride)	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloroform	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Dibromochloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,2-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,2-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Dichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,2-Dichloropropane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 cis-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 trans-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Ethylbenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 2-Hexanone	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Methyl ethyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Methyl isobutyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Styrene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1,2,2-Tetrachloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Toluene	<1.00	U			1.00	µg/L	ML	EPA8260B

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Second Quarter 1999

**ANALYTICAL AND SAMPLING BLANKS RESULTS FOR MSB WELLS**

Well MSB 91C collected on 05/05/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 1,1,1-Trichloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,1,2-Trichloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Trichloroethylene	<1.00	U		1.00	5.00	µg/L	ML	EPA8260B
0 Vinyl acetate	<5.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Xylenes	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B

**WELL MSB 91C**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/14/99  
 Depth to water: 104.62 ft (31.69 m) below TOC  
 Water elevation: Not available  
 pH: 5.2  
 Sp conductivity: 15 µS/cm  
 Turbidity: 107 NTU  
 Water evacuated from the well prior to sampling: 461 gal  
 The well was continuously pumping.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acetone	<5.00	U		5.00	5.00	µg/L	ML	EPA8260B
0 Benzene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Bromodichloromethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Bromoform	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Bromomethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Carbon disulfide	<5.00	U		5.00	5.00	µg/L	ML	EPA8260B
0 Carbon tetrachloride	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Chlorobenzene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Chloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Chloroethane (Vinyl chloride)	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Chloroform	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Chloromethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Dibromochloromethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,1-Dichloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,2-Dichloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,1,1-Trichloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,1,2-Trichloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,2-Dichloroethylene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Dichloromethane	<2.13	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,2-Dichloropropane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 cis-1,3-Dichloropropene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 trans-1,3-Dichloropropene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Ethylbenzene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 2-Hexanone	<5.00	U		5.00	5.00	µg/L	ML	EPA8260B
0 Methyl ethyl ketone	<5.00	U		5.00	5.00	µg/L	ML	EPA8260B
0 Methyl isobutyl ketone	<5.00	U		5.00	5.00	µg/L	ML	EPA8260B
0 Styrene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,1,2,2-Tetrachloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Tetrachloroethylene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Toluene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,1,1-Trichloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,1,2-Trichloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Trichloroethylene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Vinyl acetate	<5.00	U		5.00	5.00	µg/L	ML	EPA8260B
0 Xylenes	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B

**WELL MSB91TB**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/20/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: Not available  
 Sp conductivity: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acetone	<5.00	U		5.00	5.00	µg/L	ML	EPA8260B
0 Benzene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Bromodichloromethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Bromoform	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B

**ESH-EMS-990521**

Well MSB 91TBL collected on 04/20/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Bromomethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Carbon disulfide	<5.00	U		5.00	5.00	µg/L	ML	EPA8260B
0 Carbon tetrachloride	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Chlorobenzene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Chloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Chloroethane (Vinyl chloride)	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Chloroform	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Dibromochloromethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,1-Dichloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,2-Dichloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,1-Dichloroethylene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,2-Dichloroethylene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Dichloromethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,2-Dichloropropane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 cis-1,3-Dichloropropene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 trans-1,3-Dichloropropene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Ethylbenzene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 2-Hexanone	<5.00	U		5.00	5.00	µg/L	ML	EPA8260B
0 Methyl ethyl ketone	<5.00	U		5.00	5.00	µg/L	ML	EPA8260B
0 Methyl isobutyl ketone	<5.00	U		5.00	5.00	µg/L	ML	EPA8260B
0 Styrene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,1,2,2-Tetrachloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Tetrachloroethylene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Toluene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,1,1-Trichloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,1,2-Trichloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Trichloroethylene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Vinyl acetate	<5.00	U		5.00	5.00	µg/L	ML	EPA8260B
0 Xylenes	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B

**WELL MSB91TBU**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 04/20/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: Not available  
 Sp conductivity: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

**ANALYSES**

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acetone	<5.00	U		5.00	5.00	µg/L	ML	EPA8260B
0 Benzene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Bromodichloromethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Bromoform	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Bromomethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Carbon disulfide	<5.00	U		5.00	5.00	µg/L	ML	EPA8260B
0 Carbon tetrachloride	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Chlorobenzene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Chloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Chloroethane (Vinyl chloride)	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Chloroform	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Chloromethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Dibromochloromethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,1-Dichloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,2-Dichloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,1-Dichloroethylene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,2-Dichloroethylene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Dichloromethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,2-Dichloropropane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 cis-1,3-Dichloropropene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 trans-1,3-Dichloropropene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Ethylbenzene	<5.00	U		5.00	5.00	µg/L	ML	EPA8260B
0 2-Hexanone	<5.00	U		5.00	5.00	µg/L	ML	EPA8260B
0 Methyl ethyl ketone	<5.00	U		5.00	5.00	µg/L	ML	EPA8260B
0 Methyl isobutyl ketone	<5.00	U		5.00	5.00	µg/L	ML	EPA8260B
0 Styrene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,1,2,2-Tetrachloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Tetrachloroethylene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Toluene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,1,1-Trichloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 1,1,2-Trichloroethane	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Trichloroethylene	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B
0 Vinyl acetate	<5.00	U		5.00	5.00	µg/L	ML	EPA8260B
0 Xylenes	<1.00	U		1.00	1.00	µg/L	ML	EPA8260B

Time:  
 Water temperature: Not available  
 Air temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

Well MSB91TBU collected on 04/20/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Trichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Vinyl acetate	<5.00	U			5.00	µg/L	ML	EPA8260B

**WELL MSB 92C**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/05/99  
 Depth to water: 110.1 ft (33.56 m) below TOC  
 Water elevation: Not available  
 pH: 5.7  
 Sp conductivity: 26 µS/cm  
 Turbidity: 18 NTU  
 Water evacuated from the well prior to sampling: 220 gal  
 The well was continuously pumping.

Time: 9:12  
 Water temperature: 18.7°C  
 Air temperature: 20.6°C  
 Total alkalinity (as CaCO<sub>3</sub>): 16 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<6.15	U	V	8	5.00	µg/L	ML	EPA8260B
0	Benzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromodichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromoform	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromomethane (Methyl bromide)	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Carbon disulfide	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chlorobenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroethene (Vinyl chloride)	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroform	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloromethane (Methyl chloride)	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Dibromochloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Dichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloropropane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	cis-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	trans-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Ethylbenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Methyl ethyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Styrene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,2,2-Tetrachloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Toluene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,2-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Trichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Vinyl acetate	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Xylenes	<1.00	U			1.00	µg/L	ML	EPA8260B

**WELL MSB 92C**

## MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/14/99  
 Depth to water: 110.11 ft (33.56 m) below TOC  
 Water elevation: Not available  
 pH: 5.5  
 Sp conductivity: 23 µS/cm  
 Turbidity: 24 NTU  
 Water evacuated from the well prior to sampling: 177 gal  
 The well was continuously pumping.

Time: 14:15  
 Water temperature: 19.4°C  
 Air temperature: 27.8°C  
 Total alkalinity (as CaCO<sub>3</sub>): 12 mg/L  
 Phenolphthalein alkalinity: 0 mg/L

## ANALYSES

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Benzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromodichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromoform	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromomethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Carbon disulfide	<5.00	U			5.00	µg/L	ML	EPA8260B

**ESH-EMS-990521**

Well MSB 92C collected on 05/14/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chlorobenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroethene (Vinyl chloride)	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroform	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Dibromochloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Dichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloropropane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	cis-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	trans-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Ethylbenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Methyl ethyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Styrene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,2,2-Tetrachloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Toluene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,2-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Trichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Vinyl acetate	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Xylenes	<1.00	U			1.00	µg/L	ML	EPA8260B

**D-6****Second Quarter 1999**

**ANALYTICAL AND SAMPLING BLANKS RESULTS FOR MSB WELLS**

**Sampling Blanks Results**

**WELL NS4FB01**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/05/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: Not available  
 Sp conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Air temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<10.7	U	V	68	5.00	µg/L	ML	EPA8260B
0	Benzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromodichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromoform	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromomethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Carbon disulfide	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chlorobenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroethane (Vinyl chloride)	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroform	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloromethane (Methyl chloride)	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Dibromochloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Dichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloropropane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	cis-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	trans-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Ethylbenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Methyl ethyl ketone	5.52	U		6	5.00	µg/L	ML	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Styrene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,2,2-Tetrachloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Toluene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,2-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Trichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Vinyl acetate	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Xylenes	<1.00	U			1.00	µg/L	ML	EPA8260B

**WELL NS4FB02**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/14/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: Not available  
 Sp conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Air temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	7.91	U		6	5.00	µg/L	ML	EPA8260B
0	Benzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromodichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromoform	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromomethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Carbon disulfide	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chlorobenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroethane (Vinyl chloride)	<1.00	U			1.00	µg/L	ML	EPA8260B

ESH-EMS-990521

Well NS4FB02 collected on 05/14/99 (cont.)

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Chloroform	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Dibromochloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Dichloromethane	<2.22	U	V	68	1.00	µg/L	ML	EPA8260B
0	1,2-Dichloropropane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	cis-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	trans-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Ethylbenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	2-Hexanone	4.17	J	I	6	5.00	µg/L	ML	EPA8260B
0	Methyl ethyl ketone	20.0	U			5.00	µg/L	ML	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Styrene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,2,2-Tetrachloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Toluene	0.650	J	I	6	1.00	µg/L	ML	EPA8260B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,2-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Trichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Vinyl acetate	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Xylenes	<1.00	U			1.00	µg/L	ML	EPA8260B

**WELL NS4TB01**

**MEASUREMENTS CONDUCTED IN THE FIELD**

Sample date: 05/05/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: Not available  
 Sp conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time: .  
 Water temperature: Not available  
 Air temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

**ANALYSES**

F	Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0	Acetone	<7.87	U	V	8	5.00	µg/L	ML	EPA8260B
0	Benzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromodichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromoform	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Bromomethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Carbon disulfide	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Carbon tetrachloride	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chlorobenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroethane (Vinyl chloride)	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloroform	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Chloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Dibromochloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloroethylene	<1.00	U	V	8	1.00	µg/L	ML	EPA8260B
0	Dichloromethane	<1.44	U			1.00	µg/L	ML	EPA8260B
0	1,2-Dichloropropane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	cis-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	trans-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Ethylbenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	2-Hexanone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Methyl ethyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Methyl isobutyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0	Styrene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,2,2-Tetrachloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Tetrachloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Toluene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	1,1,2-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Trichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0	Vinyl acetate	<5.00	U			5.00	µg/L	ML	EPA8260B

**ANALYTICAL AND SAMPLING BLANKS RESULTS FOR MSB WELLS**

Well NS4TB01 collected on 05/05/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Xylenes	<1.00	U			1.00	µg/L	ML	EPA8260B

**WELL NS4TB02**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 05/14/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: Not available  
 Sp conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time:  
 Water temperature: Not available  
 Air temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acetone	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Benzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Bromodichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Bromoform	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Bromomethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Carbon disulfide	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chlorobenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloroethane (Vinyl chloride)	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloroform	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Dibromochloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,2-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,2-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Dichloromethane	<2.15	U	V	8	1.00	µg/L	ML	EPA8260B
0 1,2-Dichloropropane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 cis-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 trans-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Ethylbenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 2-Hexanone	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Methyl ethyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Methyl isobutyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Styrene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1,2,2-Tetrachloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Toluene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1,2-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Trichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Vinyl acetate	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Xylenes	<1.00	U			1.00	µg/L	ML	EPA8260B

**WELL QAMSB91-**

MEASUREMENTS CONDUCTED IN THE FIELD

Sample date: 04/20/99  
 Depth to water: Not available  
 Water elevation: Not available  
 pH: Not available  
 Sp conductance: Not available  
 Turbidity: Not available  
 No water was evacuated from the well prior to sampling.

Time:  
 Water temperature: Not available  
 Air temperature: Not available  
 Total alkalinity (as CaCO3): Not available  
 Phenolphthalein alkalinity: Not available

ANALYSES

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Acetone	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Benzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Bromodichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Bromoform	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Bromomethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Carbon disulfide	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Carbon tetrachloride	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chlorobenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B

**ESH-EMS-990521**

Well QAMSB91- collected on 05/05/99 (cont.)

F Analyte	Result	FG	S	EMS	SQL	Unit	Lab	Method
0 Chloroethene (Vinyl chloride)	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloroform	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Chloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Dibromochloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,2-Dichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,2-Dichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Dichloromethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,2-Dichloropropane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 cis-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 trans-1,3-Dichloropropene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Ethylbenzene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 2-Hexanone	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Methyl ethyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Methyl isobutyl ketone	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Styrene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1,2,2-Tetrachloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Tetrachloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Toluene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1,1-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 1,1,2-Trichloroethane	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Trichloroethylene	<1.00	U			1.00	µg/L	ML	EPA8260B
0 Vinyl acetate	<5.00	U			5.00	µg/L	ML	EPA8260B
0 Xylenes	<1.00	U			1.00	µg/L	ML	EPA8260B

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**Second Quarter 1999**