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SECOND QUARTER 1993

SANITARY LANDFILL GROUNDWATER MONITORING REPORT (U)

KEY WORDS

chloroethene (vinyl chloride)
LFW wells
tetrachloroethylene
trichloroethylene
tritium

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MASTER

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Second Quarter 1993 Data Review

This report contains analytical data for samples taken during second quarter 1993 from wells of the LFW series located at the Sanitary Landfill at the Savannah River Site. The data are submitted in reference to the Sanitary Landfill Operating Permit (DWP-087A). The report presents monitoring results that equaled or exceeded the Safe Drinking Water Act final Primary Drinking Water Standards (PDWS) or screening levels, established by the U.S. Environmental Protection Agency (Appendix A), the South Carolina final Primary Drinking Water Standards for lead (Appendix A), or the SRS flagging criteria (Appendix B).

Key to Reading the Tables

The following abbreviations may appear in the tabular data:

B = sample collected from well using an open bucket bailer
 BA = Barringer Laboratories, Inc.
 CN = Clemson Technical Center, Inc.
 CS = carbon steel
 D = primary drinking water standard (PDWS)
 E = exponential notation (e.g., $1.1\text{E}-09 = 1.1 \times 10^{-9} = 0.0000000011$)
 EM = Environmental Protection Department/Environmental Monitoring Section (EPD/EMS) Laboratory
 GE = General Engineering Laboratories
 GP = Environmental Physics, Inc.
 H = holding time
 1,2,3,4,6,7,8-HPCDD = 1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin
 1,2,3,4,6,7,8-HPCDF = 1,2,3,4,6,7,8-heptachlorodibenzo-p-furan
 1,2,3,4,7,8-HXCDD = 1,2,3,4,7,8-hexachlorodibenzo-p-dioxin
 1,2,3,4,7,8-HXCDF = 1,2,3,4,7,8-hexachlorodibenzo-p-furan
 Lindane = gamma-benzene hexachloride
 mg/L = milligrams per liter
 Mod = modifier
 msl = mean sea level
 MSL = million structures per liter
 NTU = turbidity unit
 P = sample collected from well using a bladder pump
 PCB = polychlorinated biphenyl
 1,2,3,7,8-PCDD = 1,2,3,7,8-pentachlorodibenzo-p-dioxin
 1,2,3,7,8-PCDF = 1,2,3,7,8-pentachlorodibenzo-p-furan
 pCi/L = picocuries per liter
 pCi/mL = picocuries per milliliter
 PDWS = primary drinking water standard
 pH = pH unit
 PVC = polyvinyl chloride

S = sample collected from well using a single-speed centrifugal downhole pump
 Sp. conductance = specific conductance
 SP = Spencer Testing Services, Inc.
 TCDD = tetrachlorodibenzo-p-dioxin
 TCDF = tetrachlorodibenzo-p-furan
 TM = TMA/Eberline
 TOC = top of casing
 V = sample collected from well using a variable-speed pump
 WA = Roy F. Weston, Inc.
 $\mu\text{g/L}$ = micrograms per liter
 $\mu\text{S/cm}$ = microsiemens per centimeter

Holding Times

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

The South Carolina Department of Health and Environmental Control allows only 15 minutes to elapse between sampling and analysis for pH. Thus, only field pH measurements can meet the holding time criterion; laboratory pH analyses will always exceed it.

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

Data Qualification

The contract laboratories continually assess their own accuracy and precision according to U.S. Environmental Protection Agency (EPA) guidelines. They submit sample- or batch-specific quality assurance/quality control information either at the same time as analytical results or in a quarterly summary. Properly defined and used result modifiers (also referred to as qualifiers) can be a key component in assessing data useability. Result modifiers designed by Environmental Protection Department/Environmental Monitoring Section and provided to the primary laboratories are defined below. These modifiers appear in the data tables under the column "Mod." The lettered modifiers are based on EPA's STORET codes.

<u>Result modifier</u>	<u>Definition</u>
(Blank)	Data are not qualified. Number should be interpreted exactly as reported.
A	Value reported is the mean of two or more determinations.
J	Value is estimated because quantitation in the sample or in associated quality control samples did not meet specifications.

<u>Result modifier</u>	<u>Definition</u>
L	Value is off-scale high. The actual value is not known but is known to be greater than the value shown.
M	Presence of the analyte is verified but not quantified.
R	Result was rejected because performance requirements in the sample analysis or associated quality control analyses were not met.
T	Analyte was not detected; if present, it was below the criteria for detection.
V	Analyte was detected in an associated method blank.
Y	Result was obtained from an unpreserved or improperly preserved sample. Data may not be accurate.
1	Result may be an underestimation of the true value due to analytical bias.
2	Result may be an overestimation of the true value due to analytical bias.
3	The associated result may be of poor precision (high variability) due to analytical bias.
4	Result is associated with QA results indicating matrix interference.
6	The associated result is from a reanalysis performed out of holding time due to problems with an earlier analysis.

Table 1. Groundwater Monitoring Results for Individual Wells**WELL LFW 6**

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N84537.8 E45241.2	33.286553 °N 81.711886 °W	160.4-141.1 ft msl	171.7 ft msl	4" Steel	S	Steel Pond

FIELD MEASUREMENTS

Sample date: 03/22/93
 Depth to water: 15.68 ft (4.78 m) below TOC
 Water elevation: 156.02 ft (47.56 m) msl
 Sp. conductance: 262 $\mu\text{S}/\text{cm}$
 Water evacuated before sampling: 133 gal

Time: 13:28
 pH: 5.9
 Alkalinity: 54 mg/L
 Water temperature: 18.2 °C
 Volumes purged: 13.6 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.8	J	pH	0	WA
•		pH	5.8	J	pH	0	WA
•		Specific conductance	243	J	$\mu\text{S}/\text{cm}$	0	WA
•		Specific conductance	245	J	$\mu\text{S}/\text{cm}$	0	WA
		Acetone	11	V	$\mu\text{g}/\text{L}$	0	WA
		Acetonitrile (Methyl cyanide)	<20		$\mu\text{g}/\text{L}$	0	WA
		Acrolein	<10		$\mu\text{g}/\text{L}$	0	WA
		Acrylonitrile	<10		$\mu\text{g}/\text{L}$	0	WA
		Allyl chloride	<100		$\mu\text{g}/\text{L}$	0	WA
		Arsenic	4.4	J3	$\mu\text{g}/\text{L}$	0	WA
		Arsenic	4.9	J3	$\mu\text{g}/\text{L}$	0	WA
		Barium	19	J3	$\mu\text{g}/\text{L}$	0	WA
		Barium	29	J3	$\mu\text{g}/\text{L}$	0	WA
		Benzene	2.2	J	$\mu\text{g}/\text{L}$	0	WA
		Bromodichloromethane	<5.0		$\mu\text{g}/\text{L}$	0	WA
		Bromoform	<5.0		$\mu\text{g}/\text{L}$	0	WA
		Bromomethane (Methyl bromide)	<10		$\mu\text{g}/\text{L}$	0	WA
		Cadmium	<2.0		$\mu\text{g}/\text{L}$	0	WA
		Cadmium	<2.0		$\mu\text{g}/\text{L}$	0	WA
		Calcium	7,140	V	$\mu\text{g}/\text{L}$	0	WA
		Calcium	7,150	V	$\mu\text{g}/\text{L}$	0	WA
		Carbon disulfide	<5.0		$\mu\text{g}/\text{L}$	0	WA
		Carbon tetrachloride	<5.0		$\mu\text{g}/\text{L}$	0	WA
		Chloride	8,190		$\mu\text{g}/\text{L}$	0	WA
		Chlorobenzene	2.3	J	$\mu\text{g}/\text{L}$	0	WA
		Chloroethane	6.4	J	$\mu\text{g}/\text{L}$	1	WA
■		Chloroethene (Vinyl chloride)	3.4	J	$\mu\text{g}/\text{L}$	2	WA
		Chloroform	<5.0		$\mu\text{g}/\text{L}$	0	WA
		Chloromethane (Methyl chloride)	<10		$\mu\text{g}/\text{L}$	0	WA
		Chloroprene	<20		$\mu\text{g}/\text{L}$	0	WA
		Chromium	<4.0		$\mu\text{g}/\text{L}$	0	WA
		Chromium	<4.0		$\mu\text{g}/\text{L}$	0	WA
		Copper	<4.0		$\mu\text{g}/\text{L}$	0	WA
		Copper	<4.0		$\mu\text{g}/\text{L}$	0	WA
		Dibromochloromethane	<5.0		$\mu\text{g}/\text{L}$	0	WA
		1,2-Dibromo-3-chloropropane	<20		$\mu\text{g}/\text{L}$	0	WA
		1,2-Dibromoethane	<20		$\mu\text{g}/\text{L}$	0	WA
		Dibromomethane (Methylene bromide)	<10		$\mu\text{g}/\text{L}$	0	WA
		trans-1,4-Dichloro-2-butene	<100		$\mu\text{g}/\text{L}$	0	WA

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

WELL LFW 6 collected on 03/22/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Dichlorodifluoromethane	4.8	J	µg/L	0	WA
		1,1-Dichloroethane	24		µg/L	2	WA
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Ethylbenzene	<5.0		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	48,100	V	µg/L	2	WA
		Iron	48,400	V	µg/L	2	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.055		µg/L	0	WA
		Lindane	<0.058		µg/L	0	WA
		Magnesium	6,750	V	µg/L	0	WA
		Magnesium	6,750	V	µg/L	0	WA
		Manganese	199		µg/L	2	WA
		Manganese	199		µg/L	2	WA
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<1.1		µg/L	0	WA
		Methoxychlor	<0.55		µg/L	0	WA
		Methoxychlor	<0.58		µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Nickel	6.8	J3	µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	<20		µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Potassium	1,080		µg/L	0	WA
		Potassium	1,130		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	9,130		µg/L	0	WA
		Silica	9,210		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	4,410	V	µg/L	0	WA
		Sodium	4,450	V	µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	16,200		µg/L	0	WA
		Sulfate	16,700		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		Tetrachloroethylene	2.4	J	µg/L	0	WA
		Toluene	<5.0		µg/L	0	WA

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

WELL LFW 6 collected on 03/22/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Total dissolved solids	180,000		µg/L	0	WA
		Total organic carbon	2,200		µg/L	0	WA
		Total organic halogens	175		µg/L	2	WA
		Toxaphene	<1.1		µg/L	0	WA
		Toxaphene	<1.1		µg/L	0	WA
		Toxaphene	<2.2		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		Trichloroethylene	3.2	J	µg/L	1	WA
		Trichlorofluoromethane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		Vanadium	4.2	J3	µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	<5.0		µg/L	0	WA
		Gross alpha	1.1E+01 ± 2.5E+00		pCi/L	1	TM
		Gross alpha	8.4E+00 ± 2.2E+00		pCi/L	1	TM
		Nonvolatile beta	1.2E+01 ± 2.5E+00		pCi/L	0	TM
		Nonvolatile beta	1.2E+01 ± 2.5E+00		pCi/L	0	TM
		Radium-226	1.9E+00 ± 5.0E-01		pCi/L	0	TM
		Radium-226	1.9E+00 ± 5.2E-01		pCi/L	0	TM
		Radium-228	4.5E+00 ± 1.3E+00		pCi/L	0	TM
		Radium-228	4.6E+00 ± 1.2E+00		pCi/L	0	TM
		Tritium	2.5E+00 ± 1.1E+00		pCi/mL	0	TM
		Tritium	2.8E+00 ± 1.2E+00		pCi/mL	0	TM

WELL LFW 8

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N84032.6	33.285720 °N	159.2-139.9 ft msl	170.5 ft msl	4" Steel	S	Steel Pond
E45415.3	81.710445 °W					

FIELD MEASUREMENTS

Sample date: 03/22/93
 Depth to water: 18.85 ft (5.75 m) below TOC
 Water elevation: 151.65 ft (46.22 m) msl
 Sp. conductance: 410 µS/cm
 Water evacuated before sampling: 138 gal

Time: 13:44
 pH: 6.7
 Alkalinity: 138 mg/L
 Water temperature: 18.3 °C
 Volumes purged: 17.9 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.1	J	pH	0	WA
•		Specific conductance	238	J	µS/cm	0	WA
		Acetone	<10		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		µg/L	0	WA
		Acrolein	<10		µg/L	0	WA
		Acrylonitrile	<10		µg/L	0	WA
		Allyl chloride	<100		µg/L	0	WA
		Arsenic	16		µg/L	0	WA

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

WELL LFW 8 collected on 03/22/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Barium	7.5		µg/L	0	WA
		Benzene	4.0	J	µg/L	1	WA
		Bromodichloromethane	<5.0		µg/L	0	WA
		Bromoform	<5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10		µg/L	0	WA
		Cadmium	<2.0		µg/L	0	WA
		Calcium	6,240	V	µg/L	0	WA
		Carbon disulfide	<5.0		µg/L	0	WA
		Carbon tetrachloride	<5.0		µg/L	0	WA
		Chloride	23,500		µg/L	0	WA
		Chlorobenzene	35		µg/L	0	WA
		Chloroethane	<10		µg/L	0	WA
■		Chloroethene (Vinyl chloride)	94		µg/L	2	WA
		Chloroform	<5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10		µg/L	0	WA
		Chloroprene	<20		µg/L	0	WA
		Chromium	<4.0		µg/L	0	WA
		Copper	<4.0		µg/L	0	WA
		Dibromochloromethane	<5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	<10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		µg/L	0	WA
		Dichlorodifluoromethane	6.1	J	µg/L	1	WA
		1,1-Dichloroethane	36		µg/L	2	WA
		1,2-Dichloroethane	2.3	J	µg/L	0	WA
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<2.3		µg/L	0	WA
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		Endrin	<0.22		µg/L	0	WA
		Ethylbenzene	7.5		µg/L	0	WA
		Fluoride	177		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	54,400	V	µg/L	2	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.11		µg/L	0	WA
		Magnesium	10,200	V	µg/L	0	WA
		Manganese	14		µg/L	0	WA
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<1.1		µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	<20		µg/L	0	WA
		Phenols	6.8	J3	µg/L	0	WA
		Phenols	9.8	J3	µg/L	0	WA
		Potassium	1,450		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA

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

WELL LFW 8 collected on 03/22/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Selenium	<2.0		µg/L	0	WA
		Silica	5,580		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	21,200	V	µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		Tetrachloroethylene	<5.0		µg/L	0	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	119,000		µg/L	0	WA
		Total organic carbon	5,100		µg/L	1	WA
		Total organic halogens	164		µg/L	2	WA
		Toxaphene	<2.2		µg/L	0	WA
		2,4,5-TP (Silvex)	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.56		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichlorofluoromethane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	21		µg/L	0	WA
		Gross alpha	9.9E+00 ± 2.4E+00		pCi/L	1	TM
		Nonvolatile beta	1.8E+01 ± 2.8E+00		pCi/L	0	TM
		Radium-226	1.7E+00 ± 4.8E-01		pCi/L	0	TM
		Radium-228	7.2E+00 ± 1.4E+00		pCi/L	0	TM
		Tritium	7.0E+00 ± 3.0E+00		pCi/mL	0	TM

WELL LFW 10A

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N84369.6 E45935.6	33.287315 °N 81.709731 °W	159.2-129.2 ft msl	175.5 ft msl	4" PVC	S	Steel Pond

FIELD MEASUREMENTS

Sample date: 03/21/93
 Depth to water: 20.63 ft (6.29 m) below TOC
 Water elevation: 154.87 ft (47.20 m) msl
 Sp. conductance: 663 µS/cm
 Water evacuated before sampling: 294 gal

Time: 15:48
 pH: 6.2
 Alkalinity: 187 mg/L
 Water temperature: 19.3 °C
 Volumes purged: 17.5 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.8	J	pH	0	WA
•		pH	5.8	J	pH	0	WA
•		Specific conductance	523	J	µS/cm	2	WA
•		Specific conductance	527	J	µS/cm	2	WA

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

WELL LFW 10A collected on 03/21/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Acetone	1,220		µg/L	2	WA
		Acetone	1,270	L	µg/L	2	WA
		Acetonitrile (Methyl cyanide)	< 20		µg/L	0	WA
		Acrolein	< 10		µg/L	0	WA
		Acrylonitrile	< 10		µg/L	0	WA
		Allyl chloride	< 100		µg/L	0	WA
		Arsenic	7.9		µg/L	0	WA
		Barium	12		µg/L	0	WA
■		Benzene	12		µg/L	2	WA
		Bromodichloromethane	< 5.0		µg/L	0	WA
		Bromoform	< 5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Calcium	22,200	V	µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	30,200		µg/L	0	WA
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chromium	< 4.0		µg/L	0	WA
		Copper	< 4.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		Dichlorodifluoromethane	83		µg/L	2	WA
		1,1-Dichloroethane	264		µg/L	2	WA
		1,1-Dichloroethane	311	L	µg/L	2	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
■		Dichloromethane (Methylene chloride)	538		µg/L	2	WA
■		Dichloromethane (Methylene chloride)	632	L	µg/L	2	WA
●		2,4-Dichlorophenoxyacetic acid	< 1.0	J	µg/L	0	WA
		1,2-Dichloropropane	3.0	J	µg/L	1	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
●		Endrin	< 0.11	J6	µg/L	0	WA
		Ethylbenzene	74		µg/L	0	WA
		Fluoride	141		µg/L	0	WA
		Fluoride	148		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	96,000	V	µg/L	2	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	7.7	J3	µg/L	1	WA
		Lindane	< 0.056		µg/L	0	WA
●		Lindane	< 0.053	J6	µg/L	0	WA
		Magnesium	20,400	V	µg/L	0	WA
		Manganese	18		µg/L	0	WA

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

WELL LFW 10A collected on 03/21/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<0.56		µg/L	0	WA
•		Methoxychlor	<0.53	J6	µg/L	0	WA
		Methyl ethyl ketone	701		µg/L	0	WA
		Methyl ethyl ketone	740	L	µg/L	0	WA
		Methyl isobutyl ketone	339		µg/L	0	WA
		Methyl isobutyl ketone	405	L	µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	<20		µg/L	0	WA
		Phenols	250		µg/L	2	WA
		Potassium	811	J3	µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	9,610		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	41,000	V	µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
■		Tetrachloroethylene	41		µg/L	2	WA
		Toluene	504		µg/L	1	WA
		Toluene	555	L	µg/L	1	WA
		Total dissolved solids	482,000		µg/L	0	WA
		Total organic carbon	149,000		µg/L	2	WA
		Total organic carbon	155,000		µg/L	2	WA
		Total organic halogens	1,760		µg/L	2	WA
		Toxaphene	<1.1		µg/L	0	WA
•		Toxaphene	<1.0	J6	µg/L	0	WA
•		2,4,5-TP (Silvex)	0.51	J	µg/L	0	WA
		1,1,1-Trichloroethane	21		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
■		Trichloroethylene	64		µg/L	2	WA
		Trichlorofluoromethane	39		µg/L	2	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	187		µg/L	0	WA
		Gross alpha	1.1E+01 ± 4.0E+00		pCi/L	1	TM
		Nonvolatile beta	2.3E+01 ± 5.1E+00		pCi/L	0	TM
		Radium-226	1.5E+00 ± 4.9E-01		pCi/L	0	TM
		Radium-228	3.6E+00 ± 1.4E+00		pCi/L	0	TM
		Total activity	6.7E+04 ± 2.6E+03		pCi/L	0	EM
■		Tritium	6.2E+01 ± 2.7E+01		pCi/mL	2	TM

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

WELL LFW 16

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N84748.9	33.288018 °N	161.2-131.2 ft msl	178.8 ft msl	4" PVC	S	Steel Pond
E45852.6	81.710687 °W					

FIELD MEASUREMENTS

Sample date: 03/23/93

Depth to water: 20.91 ft (6.37 m) below TOC

Water elevation: 157.89 ft (48.13 m) msl

Sp. conductance: 36 μ S/cm

Water evacuated before sampling: 198 gal

Time: 17:38

pH: 4.9

Alkalinity: 0 mg/L

Water temperature: 19.6 °C

Volumes purged: 11.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.1	J	pH	0	WA
•		pH	5.1	J	pH	0	WA
•		Specific conductance	33	J	μ S/cm	0	WA
•		Specific conductance	33	J	μ S/cm	0	WA
		Acetone	< 10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		μ g/L	0	WA
		Acrolein	< 10		μ g/L	0	WA
		Acrylonitrile	< 10		μ g/L	0	WA
		Allyl chloride	< 100		μ g/L	0	WA
		Arsenic	< 2.0		μ g/L	0	WA
		Arsenic	< 2.0		μ g/L	0	WA
		Barium	6.8	J3	μ g/L	0	WA
		Barium	9.1	J3	μ g/L	0	WA
		Benzene	1.0	J	μ g/L	0	WA
		Bromodichloromethane	< 5.0		μ g/L	0	WA
		Bromoform	< 5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	< 10		μ g/L	0	WA
		Cadmium	< 2.0		μ g/L	0	WA
		Cadmium	< 2.0		μ g/L	0	WA
		Calcium	1,280		μ g/L	0	WA
		Calcium	1,290		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	2,880		μ g/L	0	WA
		Chlorobenzene	< 5.0		μ g/L	0	WA
		Chloroethane	< 10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		μ g/L	0	WA
		Chloroform	< 5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	< 10		μ g/L	0	WA
		Chloroprene	< 20		μ g/L	0	WA
		Chromium	4.4	J3	μ g/L	0	WA
		Chromium	< 4.0		μ g/L	0	WA
		Copper	4.7	J3	μ g/L	0	WA
		Copper	< 4.0		μ g/L	0	WA
		Dibromochloromethane	< 5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		μ g/L	0	WA
		1,2-Dibromoethane	< 20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	0	WA

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

WELL LFW 16 collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Dichlorodifluoromethane	30		µg/L	2	WA
		1,1-Dichloroethane	52		µg/L	2	WA
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		µg/L	0	WA
	■	Dichloromethane (Methylene chloride)	36		µg/L	2	WA
		2,4-Dichlorophenoxyacetic acid	<1.0		µg/L	0	WA
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
●		Endrin	<0.10	J6	µg/L	0	WA
		Ethylbenzene	<5.0		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	2,410		µg/L	2	WA
		Iron	2,460		µg/L	2	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	3.6	J3	µg/L	0	WA
		Lead	3.8	J3	µg/L	0	WA
		Lindane	<0.056		µg/L	0	WA
●		Lindane	<0.051	J6	µg/L	0	WA
		Magnesium	1,310		µg/L	0	WA
		Magnesium	1,330		µg/L	0	WA
		Manganese	<2.0		µg/L	0	WA
		Manganese	<2.0		µg/L	0	WA
		Mercury	<0.20		µg/L	0	WA
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<0.56		µg/L	0	WA
●		Methoxychlor	<0.51	J6	µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	447		µg/L	0	WA
		Potassium	<500		µg/L	0	WA
		Potassium	<500		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	9,050		µg/L	0	WA
		Silica	9,200		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	1,310		µg/L	0	WA
		Sodium	1,440		µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
	■	Tetrachloroethylene	5.6		µg/L	2	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	39,000		µg/L	0	WA
		Total dissolved solids	39,000		µg/L	0	WA

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

WELL LFW 16 collected on 03/23/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Total organic carbon	1,500		µg/L	0	WA
		Total organic halogens	245		µg/L	2	WA
•		Toxaphene	< 1.1		µg/L	0	WA
		Toxaphene	< 1.0	J6	µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.53		µg/L	0	WA
		1,1,1-Trichloroethane	4.5	J	µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
■		Trichloroethylene	12		µg/L	2	WA
		Trichlorofluoromethane	6.0		µg/L	1	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	3.6	J3	µg/L	0	WA
		Vanadium	5.5	J3	µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	5.9		µg/L	0	WA
		Gross alpha	5.5E+00 ± 1.6E+00		pCi/L	0	TM
		Gross alpha	4.4E+00 ± 1.4E+00		pCi/L	0	TM
		Nonvolatile beta	7.4E+00 ± 2.0E+00		pCi/L	0	TM
		Nonvolatile beta	5.3E+00 ± 1.7E+00		pCi/L	0	TM
		Radium-226	4.9E-01 ± 2.5E-01		pCi/L	0	TM
		Radium-226	7.6E-01 ± 3.2E-01		pCi/L	0	TM
		Radium-228	2.4E+00 ± 1.2E+00		pCi/L	0	TM
		Radium-228	2.2E+00 ± 1.1E+00		pCi/L	0	TM
■		Tritium	2.8E+01 ± 6.3E+00		pCi/mL	2	TM
■		Tritium	3.0E+01 ± 6.5E+00		pCi/mL	2	TM

WELL LFW 17

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N84602.8	33.287295 °N	158.5-128.5 ft msl	177.8 ft msl	4" PVC	S	Steel Pond
E45607.3	81.711048 °W					

FIELD MEASUREMENTS

Sample date: 03/22/93

Time: 16:20

Depth to water: 20.78 ft (6.33 m) below TOC

pH: 6.4

Water elevation: 157.02 ft (47.86 m) msl

Alkalinity: 122 mg/L

Sp. conductance: 356 µS/cm

Water temperature: 19.4 °C

Water evacuated before sampling: 170 gal

Volumes purged: 9.1 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.3	J	pH	0	WA
•		Specific conductance	324	J	µS/cm	1	WA
		Acetone	10	V	µg/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		µg/L	0	WA
		Acrolein	< 10		µg/L	0	WA
		Acrylonitrile	< 10		µg/L	0	WA
		Allyl chloride	< 100		µg/L	0	WA
		Arsenic	15		µg/L	0	WA
		Barium	5.2	J3	µg/L	0	WA
■		Benzene	5.1		µg/L	2	WA

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

WELL LFW 17 collected on 03/22/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Bromodichloromethane	< 5.0		µg/L	0	WA
		Bromoform	< 5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Calcium	6,020	V	µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	36,000		µg/L	0	WA
■		Chlorobenzene	142		µg/L	2	WA
		Chloroethane	5.6	J	µg/L	1	WA
		Chloroethene (Vinyl chloride)	1.5	J	µg/L	1	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chromium	< 4.0		µg/L	0	WA
		Copper	< 4.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		1,1-Dichloroethane	33		µg/L	2	WA
■		1,2-Dichloroethane	6.0		µg/L	2	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
■		Dichloromethane (Methylene chloride)	5.0	V	µg/L	2	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	28		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	21,700	V	µg/L	2	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.054		µg/L	0	WA
		Magnesium	11,300	V	µg/L	0	WA
		Manganese	11		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.54		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	< 20		µg/L	0	WA
		Phenols	8.1		µg/L	0	WA
		Potassium	1,270		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	6,030		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA

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

WELL LFW 17 collected on 03/22/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Sodium	29,600	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	172,000		µg/L	0	WA
		Total organic carbon	5,700		µg/L	1	WA
		Total organic halogens	230		µg/L	2	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.56		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	60		µg/L	0	WA
		Gross alpha	2.0E+00 ± 1.0E+00		pCi/L	0	TM
		Nonvolatile beta	4.1E+00 ± 1.8E+00		pCi/L	0	TM
		Radium-226	7.4E-01 ± 3.1E-01		pCi/L	0	TM
		Radium-228	2.6E+00 ± 1.1E+00		pCi/L	0	TM
		Tritium	2.3E+00 ± 1.0E+00		pCi/mL	0	TM

WELL LFW 18

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N84577.3	33.286997 °N	160.1-130.1 ft msl	175 ft msl	4" PVC	S	Steel Pond
E45459.4	81.711388 °W					

FIELD MEASUREMENTS

Sample date: 03/22/93
 Depth to water: 18.35 ft (5.59 m) below TOC
 Water elevation: 156.65 ft (47.75 m) msl
 Sp. conductance: 292 µS/cm
 Water evacuated before sampling: 148 gal

Time: 16:48
 pH: 6.4
 Alkalinity: 132 mg/L
 Water temperature: 18.5 °C
 Volumes purged: 8.5 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.2	J	pH	0	WA
•		Specific conductance	215	J	µS/cm	0	WA
		Acetone	< 10		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		µg/L	0	WA
		Acrolein	< 10		µg/L	0	WA
		Acrylonitrile	< 10		µg/L	0	WA
		Allyl chloride	< 100		µg/L	0	WA
		Arsenic	25		µg/L	0	WA
		Barium	7.6		µg/L	0	WA

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

WELL LFW 18 collected on 03/22/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Benzene	1.4	J	µg/L	0	WA
		Bromodichloromethane	<5.0		µg/L	0	WA
		Bromoform	<5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10		µg/L	0	WA
		Cadmium	<2.0		µg/L	0	WA
		Calcium	6,110	V	µg/L	0	WA
		Carbon disulfide	<5.0		µg/L	0	WA
		Carbon tetrachloride	<5.0		µg/L	0	WA
		Chloride	13,100		µg/L	0	WA
		Chlorobenzene	6.5		µg/L	0	WA
		Chloroethane	7.3	J	µg/L	1	WA
■		Chloroethene (Vinyl chloride)	2.1	J	µg/L	2	WA
		Chloroform	<5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10		µg/L	0	WA
		Chloroprene	<20		µg/L	0	WA
		Chromium	<4.0		µg/L	0	WA
		Copper	<4.0		µg/L	0	WA
		Dibromochloromethane	<5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	<10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		µg/L	0	WA
		Dichlorodifluoromethane	2.0	J	µg/L	0	WA
		1,1-Dichloroethane	13		µg/L	2	WA
		1,2-Dichloroethane	1.3	J	µg/L	0	WA
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Ethylbenzene	11		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	45,900	V	µg/L	2	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.053		µg/L	0	WA
		Magnesium	6,230	V	µg/L	0	WA
		Manganese	10		µg/L	0	WA
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<0.53		µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	<20		µg/L	0	WA
		Phenols	7.6		µg/L	0	WA
		Potassium	1,840		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	7,220		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA

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

WELL LFW 18 collected on 03/22/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Sodium	10,500	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	112,000		µg/L	0	WA
		Total organic carbon	3,400		µg/L	0	WA
		Total organic halogens	142		µg/L	2	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.53		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	14		µg/L	0	WA
		Gross alpha	7.4E+00 ± 2.1E+00		pCi/L	0	TM
		Nonvolatile beta	1.1E+01 ± 2.4E+00		pCi/L	0	TM
		Radium-226	1.5E+00 ± 4.6E-01		pCi/L	0	TM
		Radium-228	5.9E+00 ± 1.3E+00		pCi/L	0	TM
		Tritium	3.7E+00 ± 1.7E+00		pCi/mL	0	TM

WELL LFW 19

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N84817.2	33.286998 °N	160.0-130.0 ft msl	176.7 ft msl	4" PVC	S	Steel Pond
E45135.4	81.712707 °W					

FIELD MEASUREMENTS

Sample date: 03/22/93
 Depth to water: 18.79 ft (5.73 m) below TOC
 Water elevation: 157.91 ft (48.13 m) msl
 Sp. conductance: 21 µS/cm
 Water evacuated before sampling: 155 gal

Time: 12:40
 pH: 5.1
 Alkalinity: 0 mg/L
 Water temperature: 19.2 °C
 Volumes purged: 8.5 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.2	J	pH	0	WA
•		Specific conductance	19	J	µS/cm	0	WA
		Acetone	< 10		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		µg/L	0	WA
		Acrolein	< 10		µg/L	0	WA
		Acrylonitrile	< 10		µg/L	0	WA
		Allyl chloride	< 100		µg/L	0	WA
		Arsenic	< 2.0		µg/L	0	WA
		Barium	< 4.0		µg/L	0	WA

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

WELL LFW 19 collected on 03/22/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Benzene	< 5.0		µg/L	0	WA
		Bromodichloromethane	< 5.0		µg/L	0	WA
		Bromoform	< 5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Calcium	420	V	µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	2,280		µg/L	0	WA
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chromium	< 4.0		µg/L	0	WA
		Copper	< 4.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	354	V	µg/L	2	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	3.2	J3	µg/L	0	WA
		Lindane	< 0.054		µg/L	0	WA
		Magnesium	516	V	µg/L	0	WA
		Manganese	2.1		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.54		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	318		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	< 500		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	6,110		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA

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

WELL LFW 19 collected on 03/22/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Sodium	1,750	V	µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		Tetrachloroethylene	<5.0		µg/L	0	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	36,000		µg/L	0	WA
		Total organic carbon	<1,000		µg/L	0	WA
		Total organic halogens	<5.0		µg/L	0	WA
		Toxaphene	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichlorofluoromethane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	<5.0		µg/L	0	WA
		Gross alpha	5.6E+00 ± 1.5E+00		pCi/L	0	TM
		Nonvolatile beta	9.1E+00 ± 2.1E+00		pCi/L	0	TM
		Radium-226	1.3E+00 ± 4.2E-01		pCi/L	0	TM
		Radium-228	5.1E+00 ± 1.2E+00		pCi/L	0	TM
		Tritium	3.1E+00 ± 1.3E+00		pCi/mL	0	TM

WELL LFW 20

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N85262.6	33.288714 °N	165.0-135.0 ft msl	180.5 ft msl	4" PVC	S	Steel Pond
E45582.9	81.712395 °W					

FIELD MEASUREMENTS

Sample date: 03/22/93
 Depth to water: 19.18 ft (5.85 m) below TOC
 Water elevation: 161.32 ft (49.17 m) msl
 Sp. conductance: 27 µS/cm
 Water evacuated before sampling: 165 gal

Time: 13:08
 pH: 4.9
 Alkalinity: 0 mg/L
 Water temperature: 19.8 °C
 Volumes purged: 9.6 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	4.9	J	pH	0	WA
•		Specific conductance	20	J	µS/cm	0	WA
		Acetone	<10		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		µg/L	0	WA
		Acrolein	<10		µg/L	0	WA
		Acrylonitrile	<10		µg/L	0	WA
		Allyl chloride	<100		µg/L	0	WA
		Arsenic	<2.0		µg/L	0	WA
		Barium	5.3	J3	µg/L	0	WA

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

WELL LFW 20 collected on 03/22/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Benzene	<5.0		µg/L	0	WA
		Bromodichloromethane	<5.0		µg/L	0	WA
		Bromoform	<5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10		µg/L	0	WA
		Cadmium	<2.0		µg/L	0	WA
		Calcium	281	V	µg/L	0	WA
		Carbon disulfide	<5.0		µg/L	0	WA
		Carbon tetrachloride	<5.0		µg/L	0	WA
		Chloride	2,510		µg/L	0	WA
		Chlorobenzene	<5.0		µg/L	0	WA
		Chloroethane	<10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10		µg/L	0	WA
		Chloroform	<5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10		µg/L	0	WA
		Chloroprene	<20		µg/L	0	WA
		Chromium	<4.0		µg/L	0	WA
		Copper	<4.0		µg/L	0	WA
		Dibromochloromethane	<5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	<10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		µg/L	0	WA
		Dichlorodifluoromethane	<10		µg/L	0	WA
		1,1-Dichloroethane	<5.0		µg/L	0	WA
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Ethylbenzene	<5.0		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	73	V	µg/L	0	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	3.9	J3	µg/L	0	WA
		Lindane	<0.058		µg/L	0	WA
		Magnesium	480	V	µg/L	0	WA
		Manganese	<2.0		µg/L	0	WA
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<0.58		µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	533		µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Potassium	<500		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	6,430		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA

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

WELL LFW 20 collected on 03/22/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Sodium	1,880	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	41,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	< 5.0		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	2.4E+00 ± 1.1E+00		pCi/L	0	TM
		Nonvolatile beta	4.6E+00 ± 1.8E+00		pCi/L	0	TM
		Radium-226	9.5E-01 ± 3.8E-01		pCi/L	0	TM
		Radium-228	3.7E+00 ± 1.1E+00		pCi/L	0	TM
		Tritium	1.7E+00 ± 7.8E-01		pCi/mL	0	TM

WELL LFW 21

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N84178.3	33.287241 °N	158.9-128.9 ft msl	175.6 ft msl	4" PVC	S	Steel Pond
E46149.4	81.708796 °W					

FIELD MEASUREMENTS

Sample date: 03/21/93

Depth to water: 24.00 ft (7.32 m) below TOC

Water elevation: 151.60 ft (46.21 m) msl

Sp. conductance: 1035 µS/cm

Water evacuated before sampling: 920 gal

Time: 18:01

pH: 6.7

Alkalinity: 325 mg/L

Water temperature: 18.5 °C

Volumes purged: 61.8 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.0	J	pH	0	WA
•		pH	6.0	J	pH	0	WA
•		Specific conductance	771	J	µS/cm	2	WA
•		Specific conductance	773	J	µS/cm	2	WA
		Acetone	1,340	V	µg/L	2	WA
		Acetonitrile (Methyl cyanide)	< 200		µg/L	0	WA
		Acrolein	< 100		µg/L	0	WA
		Acrylonitrile	< 100		µg/L	0	WA
		Allyl chloride	< 1,000		µg/L	0	WA

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

WELL LFW 21 collected on 03/21/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Arsenic	19		µg/L	0	WA
		Arsenic	20		µg/L	0	WA
		Barium	10	J3	µg/L	0	WA
		Barium	19	J3	µg/L	0	WA
		Benzene	<50		µg/L	0	WA
		Bromodichloromethane	<50		µg/L	0	WA
		Bromoform	<50		µg/L	0	WA
		Bromomethane (Methyl bromide)	<100		µg/L	0	WA
		Cadmium	<2.0		µg/L	0	WA
		Cadmium	<2.0		µg/L	0	WA
		Calcium	49,600		µg/L	0	WA
		Calcium	50,400		µg/L	0	WA
		Carbon disulfide	<50		µg/L	0	WA
		Carbon tetrachloride	<50		µg/L	0	WA
		Chloride	33,500		µg/L	0	WA
		Chlorobenzene	<50		µg/L	0	WA
		Chloroethane	<100		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<100		µg/L	0	WA
		Chloroform	<50		µg/L	0	WA
		Chloromethane (Methyl chloride)	<100		µg/L	0	WA
		Chloroprene	<200		µg/L	0	WA
		Chromium	7.5		µg/L	0	WA
		Chromium	6.6	J3	µg/L	0	WA
		Copper	<40		µg/L	0	WA
		Copper	<40		µg/L	0	WA
		Dibromochloromethane	<50		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<200		µg/L	0	WA
		1,2-Dibromoethane	<200		µg/L	0	WA
		Dibromomethane (Methylene bromide)	<100		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	<1,000		µg/L	0	WA
		Dichlorodifluoromethane	<100		µg/L	0	WA
		1,1-Dichloroethane	133		µg/L	2	WA
		1,2-Dichloroethane	<50		µg/L	0	WA
		1,1-Dichloroethylene	<50		µg/L	0	WA
		trans-1,2-Dichloroethylene	<50		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<50		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		1,2-Dichloropropane	<50		µg/L	0	WA
		cis-1,3-Dichloropropene	<50		µg/L	0	WA
		trans-1,3-Dichloropropene	<50		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Endrin	<0.22		µg/L	0	WA
		Ethylbenzene	47	J	µg/L	0	WA
		Fluoride	218		µg/L	0	WA
		Fluoride	230		µg/L	0	WA
		2-Hexanone	<100		µg/L	0	WA
		Iodomethane (Methyl iodide)	<100		µg/L	0	WA
		Iron	18,800		µg/L	2	WA
		Iron	18,900		µg/L	2	WA
		Isobutyl alcohol	<200		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.055		µg/L	0	WA
		Lindane	<0.11		µg/L	0	WA
		Magnesium	26,800		µg/L	0	WA
		Magnesium	27,200		µg/L	0	WA

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

WELL LFW 21 collected on 03/21/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Manganese	232		µg/L	2	WA
		Manganese	234		µg/L	2	WA
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<200		µg/L	0	WA
		Methoxychlor	<1.1		µg/L	0	WA
		Methoxychlor	<1.1		µg/L	0	WA
		Methoxychlor	<0.55		µg/L	0	WA
		Methyl ethyl ketone	1,760		µg/L	0	WA
		Methyl isobutyl ketone	581		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	<20		µg/L	0	WA
		Phenols	386		µg/L	2	WA
		Potassium	<500		µg/L	0	WA
		Potassium	<500		µg/L	0	WA
		Propionitrile	<500		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	8,110		µg/L	0	WA
		Silica	8,220		µg/L	0	WA
		Silver	<20		µg/L	0	WA
		Silver	<20		µg/L	0	WA
		Sodium	37,000	V	µg/L	0	WA
		Sodium	37,200	V	µg/L	0	WA
		Styrene	<50		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<100		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<50		µg/L	0	WA
		Tetrachloroethylene	<50		µg/L	0	WA
		Toluene	129		µg/L	0	WA
		Total dissolved solids	574,000		µg/L	0	WA
		Total organic carbon	175,000		µg/L	2	WA
		Total organic halogens	855		µg/L	2	WA
		Toxaphene	<1.1		µg/L	0	WA
		Toxaphene	<2.2		µg/L	0	WA
		Toxaphene	<2.2		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53		µg/L	0	WA
		1,1,1-Trichloroethane	<50		µg/L	0	WA
		1,1,2-Trichloroethane	<50		µg/L	0	WA
■		Trichloroethylene	12	J	µg/L	2	WA
		Trichlorofluoromethane	<50		µg/L	0	WA
		1,2,3-Trichloropropane	<100		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<100		µg/L	0	WA
		Xylenes	188		µg/L	0	WA
		Gross alpha	3.4E+00 ± 3.3E+00		pCi/L	0	TM
		Gross alpha	3.7E+00 ± 3.4E+00		pCi/L	0	TM
		Nonvolatile beta	3.1E+00 ± 4.9E+00		pCi/L	0	TM
		Nonvolatile beta	9.2E+00 ± 5.4E+00		pCi/L	0	TM
		Radium-226	2.2E+00 ± 6.3E-01		pCi/L	0	TM
		Radium-226	2.0E+00 ± 7.1E-01		pCi/L	0	TM
		Radium-228	3.4E+00 ± 1.1E+00		pCi/L	0	TM
		Radium-228	3.7E+00 ± 1.2E+00		pCi/L	0	TM
		Tritium	9.0E+00 ± 2.3E+00		pCi/mL	0	TM
		Tritium	8.4E+00 ± 2.1E+00		pCi/mL	0	TM

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WELL LFW 22

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N84223.6	33.287628 °N	152.4-122.4 ft msl	174.2 ft msl	4" PVC	S	Steel Pond
E46325.2	81.708421 °W					

FIELD MEASUREMENTS

Sample date: 03/22/93
 Depth to water: 20.45 ft (6.23 m) below TOC
 Water elevation: 153.75 ft (46.86 m) msl
 Sp. conductance: 399 μ S/cm
 Water evacuated before sampling: 104 gal

Time: 12:07
 pH: 6.5
 Alkalinity: 174 mg/L
 Water temperature: 18.7 °C
 Volumes purged: 5.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.8	J	pH	0	WA
•		Specific conductance	221	J	μ S/cm	0	WA
		Acetone	486		μ g/L	0	WA
		Acetone	439	LV	μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		μ g/L	0	WA
		Acrolein	< 10		μ g/L	0	WA
		Acrylonitrile	< 10		μ g/L	0	WA
		Allyl chloride	< 100		μ g/L	0	WA
		Arsenic	8.0		μ g/L	0	WA
		Barium	< 4.0		μ g/L	0	WA
		Benzene	1.8	J	μ g/L	0	WA
		Bromodichloromethane	< 5.0		μ g/L	0	WA
		Bromoform	< 5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	< 10		μ g/L	0	WA
		Cadmium	< 2.0		μ g/L	0	WA
		Calcium	4,300	V	μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	10,300		μ g/L	0	WA
		Chlorobenzene	< 5.0		μ g/L	0	WA
		Chloroethane	< 10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	1.8	J	μ g/L	1	WA
		Chloroform	< 5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	< 10		μ g/L	0	WA
		Chloroprene	< 20		μ g/L	0	WA
		Chromium	< 4.0		μ g/L	0	WA
		Copper	< 4.0		μ g/L	0	WA
		Dibromochloromethane	< 5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		μ g/L	0	WA
		1,2-Dibromoethane	< 20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	0	WA
		Dichlorodifluoromethane	20		μ g/L	2	WA
		1,1-Dichloroethane	57		μ g/L	2	WA
		1,2-Dichloroethane	< 5.0		μ g/L	0	WA
		1,1-Dichloroethylene	2.5	J	μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
■		Dichloromethane (Methylene chloride)	78	V	μ g/L	2	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		μ g/L	0	WA

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

WELL LFW 22 collected on 03/22/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		1,2-Dichloropropane	2.2	J	µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Ethylbenzene	91		µg/L	0	WA
		Fluoride	130		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	88,100	V	µg/L	2	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.054		µg/L	0	WA
		Magnesium	7,000	V	µg/L	0	WA
		Manganese	16		µg/L	0	WA
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<0.54		µg/L	0	WA
		Methyl ethyl ketone	568		µg/L	0	WA
		Methyl ethyl ketone	885	L	µg/L	0	WA
		Methyl isobutyl ketone	1,020		µg/L	0	WA
		Methyl isobutyl ketone	1,630	L	µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	<20		µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Potassium	<500		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	6,830		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	7,160	V	µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		Tetrachloroethylene	1.7	J	µg/L	0	WA
		Toluene	61		µg/L	0	WA
		Total dissolved solids	149,000		µg/L	0	WA
		Total organic carbon	42,000		µg/L	2	WA
		Total organic halogens	283		µg/L	2	WA
		Toxaphene	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55		µg/L	0	WA
		1,1,1-Trichloroethane	2.8	J	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
■		Trichloroethylene	12		µg/L	2	WA
		Trichlorofluoromethane	44		µg/L	2	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	215		µg/L	0	WA
		Gross alpha	1.3E+00 ± 1.2E+00		pCi/L	0	TM
		Nonvolatile beta	4.1E+00 ± 2.0E+00		pCi/L	0	TM
		Radium-226	3.5E-01 ± 2.3E-01		pCi/L	0	TM
		Radium-228	2.0E+00 ± 1.0E+00		pCi/L	0	TM
		Tritium	2.6E+00 ± 1.1E+00		pCi/mL	0	TM

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

WELL LFW 23

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N84251.3	33.287903 °N	155.1-125.1 ft msl	171.8 ft msl	4" PVC	S	Steel Pond
E46456.1	81.708131 °W					

FIELD MEASUREMENTS

Sample date: 03/21/93
 Depth to water: 17.55 ft (5.35 m) below TOC
 Water elevation: 154.25 ft (47.02 m) msl
 Sp. conductance: 32 μ S/cm
 Water evacuated before sampling: 148 gal

Time: 17:59
 pH: 4.7
 Alkalinity: 0 mg/L
 Water temperature: 18.4 °C
 Volumes purged: 7.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.1	J	pH	0	WA
•		Specific conductance	30	J	μ S/cm	0	WA
		Acetone	<10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		μ g/L	0	WA
		Acrolein	<10		μ g/L	0	WA
		Acrylonitrile	<10		μ g/L	0	WA
		Allyl chloride	<100		μ g/L	0	WA
		Arsenic	<2.0		μ g/L	0	WA
		Barium	6.0		μ g/L	0	WA
		Benzene	<5.0		μ g/L	0	WA
		Bromodichloromethane	<5.0		μ g/L	0	WA
		Bromoform	<5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	<10		μ g/L	0	WA
		Cadmium	<2.0		μ g/L	0	WA
		Calcium	528		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	1,910		μ g/L	0	WA
		Chlorobenzene	<5.0		μ g/L	0	WA
		Chloroethane	<10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10		μ g/L	0	WA
		Chloroform	<5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	<10		μ g/L	0	WA
		Chloroprene	<20		μ g/L	0	WA
		Chromium	<4.0		μ g/L	0	WA
		Copper	<4.0		μ g/L	0	WA
		Dibromochloromethane	<5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		μ g/L	0	WA
		1,2-Dibromoethane	<20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
		1,1-Dichloroethane	2.8	J	μ g/L	0	WA
		1,2-Dichloroethane	<5.0		μ g/L	0	WA
		1,1-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		μ g/L	0	WA
		1,2-Dichloropropane	<5.0		μ g/L	0	WA

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

WELL LFW 23 collected on 03/21/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	390		µg/L	2	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	6.1	J3	µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	725		µg/L	0	WA
		Manganese	< 2.0		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.55		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	4.3	J3	µg/L	0	WA
		Nitrate as nitrogen	1,530		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	561	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	7,060		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	2,630	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	18,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	29		µg/L	1	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	1.6	J	µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	4.4E+00 ± 1.4E+00		pCi/L	0	TM
		Nonvolatile beta	4.9E+00 ± 1.9E+00		pCi/L	0	TM
		Radium-226	1.0E+00 ± 3.6E-01		pCi/L	0	TM
		Radium-228	2.5E+00 ± 1.1E+00		pCi/L	0	TM
		Tritium	1.9E+00 ± 4.9E-01		pCi/mL	0	TM

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

WELL LFW 24

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N84544.2	33.288656 °N	154.5-124.5 ft msl	171.3 ft msl	4" PVC	S	Steel Pond
E46520.8	81.708530 °W					

FIELD MEASUREMENTS

Sample date: 03/21/93
 Depth to water: 14.13 ft (4.31 m) below TOC
 Water elevation: 157.17 ft (47.91 m) msl
 Sp. conductance: 20 μ S/cm
 Water evacuated before sampling: 106 gal

Time: 17:31
 pH: 4.7
 Alkalinity: 0 mg/L
 Water temperature: 16.5 °C
 Volumes purged: 4.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.2	J	pH	0	WA
•		Specific conductance	18	J	μ S/cm	0	WA
		Acetone	<10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		μ g/L	0	WA
		Acrolein	<10		μ g/L	0	WA
		Acrylonitrile	<10		μ g/L	0	WA
		Allyl chloride	<100		μ g/L	0	WA
		Arsenic	<2.0		μ g/L	0	WA
		Barium	4.0	J3	μ g/L	0	WA
		Benzene	<5.0		μ g/L	0	WA
		Bromodichloromethane	<5.0		μ g/L	0	WA
		Bromoform	<5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	<10		μ g/L	0	WA
		Cadmium	<2.0		μ g/L	0	WA
		Calcium	464		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	2,390		μ g/L	0	WA
		Chlorobenzene	<5.0		μ g/L	0	WA
		Chloroethane	<10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10		μ g/L	0	WA
		Chloroform	<5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	<10		μ g/L	0	WA
		Chloroprene	<20		μ g/L	0	WA
		Chromium	<4.0		μ g/L	0	WA
		Copper	<4.0		μ g/L	0	WA
		Dibromochloromethane	<5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		μ g/L	0	WA
		1,2-Dibromoethane	<20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
		1,1-Dichloroethane	<5.0		μ g/L	0	WA
		1,2-Dichloroethane	<5.0		μ g/L	0	WA
		1,1-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		μ g/L	0	WA
		1,2-Dichloropropane	<5.0		μ g/L	0	WA

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

WELL LFW 24 collected on 03/21/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	164		µg/L	1	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	3.4	J3	µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	466		µg/L	0	WA
		Manganese	< 2.0		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.55		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	282		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	569	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	5,030		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,310	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	15,000		µg/L	0	WA
		Total dissolved solids	16,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	< 5.0		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.53		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	1.0E+00 ± 9.0E-01		pCi/L	0	TM
		Nonvolatile beta	2.8E+00 ± 1.7E+00		pCi/L	0	TM
		Radium-226	4.2E-01 ± 2.5E-01		pCi/L	0	TM
		Radium-228	3.6E+00 ± 1.1E+00		pCi/L	0	TM
		Tritium	5.5E+00 ± 1.4E+00		pCi/mL	0	TM

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

WELL LFW 25

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N84967.2	33.289436 °N	153.2-123.2 ft msl	174.7 ft msl	4" PVC	S	Steel Pond
E46425.7	81.709602 °W					

FIELD MEASUREMENTS

Sample date: 03/21/93
 Depth to water: 15.21 ft (4.64 m) below TOC
 Water elevation: 159.49 ft (48.61 m) msl
 Sp. conductance: 18 μ S/cm
 Water evacuated before sampling: 150 gal

Time: 10:42
 pH: 4.8
 Alkalinity: 1 mg/L
 Water temperature: 18.4 °C
 Volumes purged: 6.3 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.0	J	pH	0	WA
•		Specific conductance	18	J	μ S/cm	0	WA
		Acetone	<10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		μ g/L	0	WA
		Acrolein	<10		μ g/L	0	WA
		Acrylonitrile	<10		μ g/L	0	WA
		Allyl chloride	<100		μ g/L	0	WA
		Arsenic	<2.0		μ g/L	0	WA
		Barium	5.0	J3	μ g/L	0	WA
		Benzene	<5.0		μ g/L	0	WA
		Bromodichloromethane	<5.0		μ g/L	0	WA
		Bromoform	<5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	<10		μ g/L	0	WA
		Cadmium	<2.0		μ g/L	0	WA
		Calcium	235		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	1,520		μ g/L	0	WA
		Chlorobenzene	<5.0		μ g/L	0	WA
		Chloroethane	<10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10		μ g/L	0	WA
		Chloroform	<5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	1.0	J	μ g/L	0	WA
		Chloroprene	<20		μ g/L	0	WA
		Chromium	<4.0		μ g/L	0	WA
		Copper	<4.0		μ g/L	0	WA
		Dibromochloromethane	<5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		μ g/L	0	WA
		1,2-Dibromoethane	<20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
		1,1-Dichloroethane	<5.0		μ g/L	0	WA
		1,2-Dichloroethane	<5.0		μ g/L	0	WA
		1,1-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		μ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<2.1		μ g/L	0	WA

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

WELL LFW 25 collected on 03/21/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	61		µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	456		µg/L	0	WA
		Manganese	< 2.0		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.55		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	563		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	< 500		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	5,740		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,150	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	22,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	< 5.0		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 1.0		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.53		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	7.1E+00 ± 1.6E+00		pCi/L	0	TM
		Nonvolatile beta	1.3E+01 ± 2.3E+00		pCi/L	0	TM
		Radium-226	1.0E+00 ± 3.9E-01		pCi/L	0	TM
		Radium-228	1.0E+01 ± 1.7E+00		pCi/L	1	TM
		Tritium	2.0E+00 ± 5.4E-01		pCi/mL	0	TM

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

WELL LFW 26

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N85654.6 E45633.8	33.289663 °N 81.713023 °W	164.2-143.2 ft msl	186.5 ft msl	4" PVC	S	Steel Pond

FIELD MEASUREMENTS

Sample date: 03/21/93
 Depth to water: 22.85 ft (6.96 m) below TOC
 Water elevation: 163.65 ft (49.88 m) msl
 Sp. conductance: 15 μ S/cm
 Water evacuated before sampling: 192 gal

Time: 16:48
 pH: 4.9
 Alkalinity: 0 mg/L
 Water temperature: 19.1 °C
 Volumes purged: 14.3 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.1	J	pH	0	WA
•		Specific conductance	13	J	μ S/cm	0	WA
		Acetone	< 10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		μ g/L	0	WA
		Acrolein	< 10		μ g/L	0	WA
		Acrylonitrile	< 10		μ g/L	0	WA
		Allyl chloride	< 100		μ g/L	0	WA
		Arsenic	< 2.0		μ g/L	0	WA
		Barium	< 4.0		μ g/L	0	WA
		Benzene	< 5.0		μ g/L	0	WA
		Bromodichloromethane	< 5.0		μ g/L	0	WA
		Bromoform	< 5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	< 10		μ g/L	0	WA
		Cadmium	< 2.0		μ g/L	0	WA
		Calcium	161		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	1,710		μ g/L	0	WA
		Chlorobenzene	< 5.0		μ g/L	0	WA
		Chloroethane	< 10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		μ g/L	0	WA
		Chloroform	< 5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	4.7	J	μ g/L	0	WA
		Chloroprene	< 20		μ g/L	0	WA
		Chromium	< 4.0		μ g/L	0	WA
		Copper	< 4.0		μ g/L	0	WA
		Dibromochloromethane	< 5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		μ g/L	0	WA
		1,2-Dibromoethane	< 20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	0	WA
		Dichlorodifluoromethane	< 10		μ g/L	0	WA
		1,1-Dichloroethane	< 5.0		μ g/L	0	WA
		1,2-Dichloroethane	< 5.0		μ g/L	0	WA
		1,1-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		μ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		μ g/L	0	WA
		1,2-Dichloropropane	< 5.0		μ g/L	0	WA

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

WELL LFW 26 collected on 03/21/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	22		µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	225		µg/L	0	WA
		Manganese	< 2.0		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.55		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	74		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	< 500		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	5,330		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,020	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	27,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	< 5.0		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	5.0E-01 ± 8.0E-01		pCi/L	0	TM
		Nonvolatile beta	1.4E+00 ± 1.6E+00		pCi/L	0	TM
		Radium-226	4.8E-01 ± 2.8E-01		pCi/L	0	TM
		Radium-228	2.0E+00 ± 1.0E+00		pCi/L	0	TM
		Tritium	1.8E+00 ± 4.7E-01		pCi/mL	0	TM

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

WELL LFW 27

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N85839.1	33.290010 °N	163.9-142.9 ft msl	189.2 ft msl	4" PVC	S	Steel Pond
E45596.1	81.713481 °W					

FIELD MEASUREMENTS

Sample date: 03/21/93
 Depth to water: 24.68 ft (7.52 m) below TOC
 Water elevation: 164.52 ft (50.15 m) msl
 Sp. conductance: 19 μ S/cm
 Water evacuated before sampling: 91 gal

Time: 16:23
 pH: 5.0
 Alkalinity: 0 mg/L
 Water temperature: 19.5 °C
 Volumes purged: 6.4 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.1	J	pH	0	WA
•		Specific conductance	15	J	μ S/cm	0	WA
		Acetone	< 10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		μ g/L	0	WA
		Acrolein	< 10		μ g/L	0	WA
		Acrylonitrile	< 10		μ g/L	0	WA
		Allyl chloride	< 100		μ g/L	0	WA
		Arsenic	< 2.0		μ g/L	0	WA
		Barium	4.3	J3	μ g/L	0	WA
		Benzene	< 5.0		μ g/L	0	WA
		Bromodichloromethane	< 5.0		μ g/L	0	WA
		Bromoform	< 5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	< 10		μ g/L	0	WA
		Cadmium	< 2.0		μ g/L	0	WA
		Calcium	281		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	1,850		μ g/L	0	WA
		Chlorobenzene	< 5.0		μ g/L	0	WA
		Chloroethane	< 10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		μ g/L	0	WA
		Chloroform	< 5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	< 10		μ g/L	0	WA
		Chloroprene	< 20		μ g/L	0	WA
		Chromium	< 4.0		μ g/L	0	WA
		Copper	< 4.0		μ g/L	0	WA
		Dibromochloromethane	< 5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		μ g/L	0	WA
		1,2-Dibromoethane	< 20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	0	WA
		Dichlorodifluoromethane	< 10		μ g/L	0	WA
		1,1-Dichloroethane	< 5.0		μ g/L	0	WA
		1,2-Dichloroethane	< 5.0		μ g/L	0	WA
		1,1-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		μ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		μ g/L	0	WA
		1,2-Dichloropropane	< 5.0		μ g/L	0	WA

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

WELL LFW 27 collected on 03/21/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	12	J3	µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	247		µg/L	0	WA
		Manganese	2.2		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.55		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	75		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	635	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	6,220		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,630	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	17,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	19		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	9.0E-01 ± 8.0E-01		pCi/L	0	TM
		Nonvolatile beta	1.2E+00 ± 1.6E+00		pCi/L	0	TM
		Radium-226	6.8E-01 ± 3.2E-01		pCi/L	0	TM
		Radium-228	7.0E-01 ± 9.0E-01		pCi/L	0	TM
		Tritium	1.2E+00 ± 3.2E-01		pCi/mL	0	TM

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

WELL LFW 28

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N86079.6 E45555.3	33.290475 °N 81.714056 °W	162.1-141.1 ft msl	192.4 ft msl	4" PVC	S	Steel Pond

FIELD MEASUREMENTS

Sample date: 03/23/93
 Depth to water: 26.60 ft (8.11 m) below TOC
 Water elevation: 165.80 ft (50.54 m) msl
 Sp. conductance: 41 μ S/cm
 Water evacuated before sampling: 17 gal
 The well went dry during purging.

Time: 10:41
 pH: 5.4
 Alkalinity: 10 mg/L
 Water temperature: 18.3 °C
 Volumes purged: 1.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.4	J	pH	0	WA
•		Specific conductance	38	J	μ S/cm	0	WA
•		Specific conductance	39	J	μ S/cm	0	WA
		Acetone	< 10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		μ g/L	0	WA
		Acrolein	< 10		μ g/L	0	WA
		Acrylonitrile	< 10		μ g/L	0	WA
		Allyl chloride	< 100		μ g/L	0	WA
		Arsenic	< 2.0		μ g/L	0	WA
		Barium	8.7		μ g/L	0	WA
		Benzene	< 5.0		μ g/L	0	WA
		Bromodichloromethane	< 5.0		μ g/L	0	WA
		Bromoform	< 5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	< 10		μ g/L	0	WA
		Cadmium	< 2.0		μ g/L	0	WA
		Calcium	2,170		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	1,540		μ g/L	0	WA
		Chloride	1,550		μ g/L	0	WA
		Chlorobenzene	< 5.0		μ g/L	0	WA
		Chloroethane	< 10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		μ g/L	0	WA
		Chloroform	< 5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	2.8	J	μ g/L	0	WA
		Chloroprene	< 20		μ g/L	0	WA
		Chromium	< 4.0		μ g/L	0	WA
		Copper	13		μ g/L	0	WA
		Dibromochloromethane	< 5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		μ g/L	0	WA
		1,2-Dibromoethane	< 20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	0	WA
		Dichlorodifluoromethane	< 10		μ g/L	0	WA
		1,1-Dichloroethane	< 5.0		μ g/L	0	WA
		1,2-Dichloroethane	< 5.0		μ g/L	0	WA
		1,1-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		μ g/L	0	WA

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

WELL LFW 28 collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Endrin	< 0.22		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	301		µg/L	2	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	6.0	J3	µg/L	0	WA
		Lindane	< 0.054		µg/L	0	WA
		Lindane	< 0.11		µg/L	0	WA
		Magnesium	532		µg/L	0	WA
		Manganese	5.5		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 1.1		µg/L	0	WA
		Methoxychlor	< 1.1		µg/L	0	WA
		Methoxychlor	< 0.54		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	1,130		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	1,480		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	4,790		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,600		µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	40,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	5.7		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		Toxaphene	< 2.2		µg/L	0	WA
		Toxaphene	< 2.2		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.54		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA

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

WELL LFW 28 collected on 03/23/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Gross alpha	1.2E+00 ± 8.0E-01		pCi/L	0	TM
		Nonvolatile beta	2.4E+00 ± 1.5E+00		pCi/L	0	TM
		Radium-226	4.8E-01 ± 2.5E-01		pCi/L	0	TM
		Radium-228	<3.0E-01		pCi/L	0	TM
		Tritium	1.2E+00 ± 3.2E-01		pCi/mL	0	TM

WELL LFW 29

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N86372.7	33.291038 °N	164.9-143.9 ft msl	195.3 ft msl	4" PVC	S	Steel Pond
E45503.3	81.714763 °W					

FIELD MEASUREMENTS

Sample date: 03/22/93

Depth to water: 27.91 ft (8.51 m) below TOC

Water elevation: 167.39 ft (51.02 m) msl

Sp. conductance: 22 µS/cm

Water evacuated before sampling: 172 gal

Time: 17:26

pH: 4.7

Alkalinity: 0 mg/L

Water temperature: 18.9 °C

Volumes purged: 11.2 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.0	J	pH	0	WA
•		Specific conductance	20	J	µS/cm	0	WA
		Acetone	<10		µg/L	0	WA
		Acetone	<10		µg/L	0	WA
		Acetone	<10		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		µg/L	0	WA
		Acrolein	<10		µg/L	0	WA
		Acrolein	<10		µg/L	0	WA
		Acrolein	<10		µg/L	0	WA
		Acrylonitrile	<10		µg/L	0	WA
		Acrylonitrile	<10		µg/L	0	WA
		Acrylonitrile	<10		µg/L	0	WA
		Allyl chloride	<100		µg/L	0	WA
		Allyl chloride	<100		µg/L	0	WA
		Allyl chloride	<100		µg/L	0	WA
		Arsenic	<2.0		µg/L	0	WA
		Barium	6.2		µg/L	0	WA
		Benzene	<5.0		µg/L	0	WA
		Benzene	<5.0		µg/L	0	WA
		Bromodichloromethane	<5.0		µg/L	0	WA
		Bromodichloromethane	<5.0		µg/L	0	WA
		Bromodichloromethane	<5.0		µg/L	0	WA
		Bromoform	<5.0		µg/L	0	WA
		Bromoform	<5.0		µg/L	0	WA
		Bromoform	<5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10		µg/L	0	WA

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

WELL LFW 29 collected on 03/22/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Calcium	521	V	µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	1,830		µg/L	0	WA
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chromium	< 4.0		µg/L	0	WA
		Copper	< 4.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA

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

WELL LFW 29 collected on 03/22/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	456	V	µg/L	2	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	524	V	µg/L	0	WA
		Manganese	3.3		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.55		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	670		µg/L	0	WA
		Phenols	66		µg/L	2	WA
		Potassium	< 500		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	5,640		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,090	V	µg/L	0	WA

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

WELL LFW 29 collected on 03/22/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Styrene	< 5.0		µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	38,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	< 5.0		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	5.6E+00 ± 1.5E+00		pCi/L	0	TM
		Nonvolatile beta	6.3E+00 ± 1.9E+00		pCi/L	0	TM
		Radium-226	2.7E+00 ± 6.5E-01		pCi/L	0	TM
		Radium-228	3.7E+00 ± 1.1E+00		pCi/L	0	TM
		Tritium	1.6E+00 ± 6.9E-01		pCi/mL	0	TM

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

WELL LFW 30

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N86318.4	33.290375 °N	162.7-141.7 ft msl	210 ft msl	4" PVC	S	Steel Pond
E45170.9	81.715532 °W					

FIELD MEASUREMENTS

Sample date: 03/22/93
 Depth to water: 42.67 ft (13.01 m) below TOC
 Water elevation: 167.33 ft (51.00 m) msl
 Sp. conductance: 22 μ S/cm
 Water evacuated before sampling: 192 gal

Time: 17:54
 pH: 5.0
 Alkalinity: 1 mg/L
 Water temperature: 18.3 °C
 Volumes purged: 11.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.2	J	pH	0	WA
•		Specific conductance	20	J	μ S/cm	0	WA
		Acetone	< 10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		μ g/L	0	WA
		Acrolein	< 10		μ g/L	0	WA
		Acrylonitrile	< 10		μ g/L	0	WA
		Allyl chloride	< 100		μ g/L	0	WA
		Arsenic	< 2.0		μ g/L	0	WA
		Barium	5.6	J3	μ g/L	0	WA
		Benzene	< 5.0		μ g/L	0	WA
		Bromodichloromethane	< 5.0		μ g/L	0	WA
		Bromoform	< 5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	< 10		μ g/L	0	WA
		Cadmium	< 2.0		μ g/L	0	WA
		Calcium	1,060	V	μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	1,500		μ g/L	0	WA
		Chlorobenzene	< 5.0		μ g/L	0	WA
		Chloroethane	< 10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		μ g/L	0	WA
		Chloroform	< 5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	< 10		μ g/L	0	WA
		Chloroprene	< 20		μ g/L	0	WA
		Chromium	22		μ g/L	0	WA
		Copper	< 4.0		μ g/L	0	WA
		Dibromochloromethane	< 5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		μ g/L	0	WA
		1,2-Dibromoethane	< 20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	0	WA
		Dichlorodifluoromethane	< 10		μ g/L	0	WA
		1,1-Dichloroethane	< 5.0		μ g/L	0	WA
		1,2-Dichloroethane	< 5.0		μ g/L	0	WA
		1,1-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		μ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		μ g/L	0	WA
		1,2-Dichloropropane	< 5.0		μ g/L	0	WA

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

WELL LFW 30 collected on 03/22/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Ethylbenzene	<5.0		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	119	V	µg/L	0	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.055		µg/L	0	WA
		Magnesium	666	V	µg/L	0	WA
		Manganese	7.1		µg/L	0	WA
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<0.55		µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Nickel	7.4	J3	µg/L	0	WA
		Nitrate as nitrogen	724		µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Potassium	<500		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	5,910		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	1,110	V	µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		Tetrachloroethylene	<5.0		µg/L	0	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	51,000		µg/L	0	WA
		Total organic carbon	<1,000		µg/L	0	WA
		Total organic halogens	<5.0		µg/L	0	WA
		Toxaphene	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichlorofluoromethane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	<5.0		µg/L	0	WA
		Gross alpha	3.0E+00 ± 1.2E+00		pCi/L	0	TM
		Nonvolatile beta	5.4E+00 ± 1.9E+00		pCi/L	0	TM
		Radium-226	6.3E-01 ± 3.0E-01		pCi/L	0	TM
		Radium-228	4.5E+00 ± 1.2E+00		pCi/L	0	TM
		Tritium	2.0E+00 ± 8.8E-01		pCi/mL	0	TM

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

WELL LFW 31

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N86262.2 E44869.0	33.289758 °N 81.716217 °W	166.0-145.0 ft msl	229.3 ft msl	4" PVC	S	Steel Pond

FIELD MEASUREMENTS

Sample date: 03/23/93
 Depth to water: 62.41 ft (19.02 m) below TOC
 Water elevation: 166.89 ft (50.87 m) msl
 Sp. conductance: 25 μ S/cm
 Water evacuated before sampling: 77 gal

Time: 15:00
 pH: 5.0
 Alkalinity: 1 mg/L
 Water temperature: 18.4 °C
 Volumes purged: 5.4 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	4.5	J	pH	0	WA
•		pH	4.5	J	pH	0	WA
•		Specific conductance	22	J	μ S/cm	0	WA
		Acetone	<10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		μ g/L	0	WA
		Acrolein	<10		μ g/L	0	WA
		Acrylonitrile	<10		μ g/L	0	WA
		Allyl chloride	<100		μ g/L	0	WA
		Arsenic	<2.0		μ g/L	0	WA
		Barium	5.5	J3	μ g/L	0	WA
		Benzene	<5.0		μ g/L	0	WA
		Bromodichloromethane	<5.0		μ g/L	0	WA
		Bromoform	<5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	<10		μ g/L	0	WA
		Cadmium	<2.0		μ g/L	0	WA
		Calcium	606		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	2,560		μ g/L	0	WA
		Chlorobenzene	<5.0		μ g/L	0	WA
		Chloroethane	<10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10		μ g/L	0	WA
		Chloroform	<5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	<10		μ g/L	0	WA
		Chloroprene	<20		μ g/L	0	WA
		Chromium	<4.0		μ g/L	0	WA
		Copper	8.6		μ g/L	0	WA
		Dibromochloromethane	<5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		μ g/L	0	WA
		1,2-Dibromoethane	<20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
		1,1-Dichloroethane	<5.0		μ g/L	0	WA
		1,2-Dichloroethane	<5.0		μ g/L	0	WA
		1,1-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		μ g/L	0	WA

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

WELL LFW 31 collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		2,4-Dichlorophenoxyacetic acid	< 2.2		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	49		µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	476		µg/L	0	WA
		Manganese	2.9		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.55		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	352		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	1,340		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	6,610		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,720		µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	1,140		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	43,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	16		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	1.7E+00 ± 9.0E-01		pCi/L	0	TM
		Nonvolatile beta	1.9E+00 ± 1.5E+00		pCi/L	0	TM
		Radium-226	1.4E+00 ± 4.3E-01		pCi/L	0	TM
		Radium-228	1.8E+00 ± 1.1E+00		pCi/L	0	TM
		Tritium	2.9E+00 ± 8.0E-01		pCi/mL	0	TM

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

WELL LFW 32

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N85836.8 E44935.9	33.288927 °N 81.715214 °W	165.3-144.3 ft msl	223.7 ft msl	4" PVC	S	Steel Pond

FIELD MEASUREMENTS

Sample date: 03/23/93
 Depth to water: 59.02 ft (17.99 m) below TOC
 Water elevation: 164.68 ft (50.20 m) msl
 Sp. conductance: 22 μ S/cm
 Water evacuated before sampling: 109 gal

Time: 15:25
 pH: 4.9
 Alkalinity: 0 mg/L
 Water temperature: 18.4 °C
 Volumes purged: 8.2 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	4.9	J	pH	0	WA
•		Specific conductance	20	J	μ S/cm	0	WA
		Acetone	<10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		μ g/L	0	WA
		Acrolein	<10		μ g/L	0	WA
		Acrylonitrile	<10		μ g/L	0	WA
		Allyl chloride	<100		μ g/L	0	WA
		Arsenic	<2.0		μ g/L	0	WA
		Barium	<4.0		μ g/L	0	WA
		Benzene	<5.0		μ g/L	0	WA
		Bromodichloromethane	<5.0		μ g/L	0	WA
		Bromoform	<5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	<10		μ g/L	0	WA
		Cadmium	<2.0		μ g/L	0	WA
		Calcium	254		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	2,590		μ g/L	0	WA
		Chlorobenzene	<5.0		μ g/L	0	WA
		Chloroethane	<10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10		μ g/L	0	WA
		Chloroform	<5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	<10		μ g/L	0	WA
		Chloroprene	<20		μ g/L	0	WA
		Chromium	<4.0		μ g/L	0	WA
		Copper	<4.0		μ g/L	0	WA
		Dibromochloromethane	<5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		μ g/L	0	WA
		1,2-Dibromoethane	<20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
		1,1-Dichloroethane	<5.0		μ g/L	0	WA
		1,2-Dichloroethane	<5.0		μ g/L	0	WA
		1,1-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		μ g/L	0	WA
		1,2-Dichloropropane	<5.0		μ g/L	0	WA

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

WELL LFW 32 collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	13	J3	µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	355		µg/L	0	WA
		Manganese	< 2.0		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.55		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	392		µg/L	0	WA
		Phenols	< 5.0	J3	µg/L	0	WA
		Potassium	708		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	6,400		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,950		µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	20,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	7.4		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	2.1E+00 ± 9.0E-01		pCi/L	0	TM
		Nonvolatile beta	5.8E+00 ± 1.7E+00		pCi/L	0	TM
		Radium-226	8.4E-01 ± 3.3E-01		pCi/L	0	TM
		Radium-228	2.3E+00 ± 1.2E+00		pCi/L	0	TM
		Tritium	3.1E+00 ± 6.8E-01		pCi/mL	0	TM

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

WELL LFW 33

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N85633.8 E44973.0	33.288538 °N 81.714722 °W	165.4-144.4 ft msl	213.7 ft msl	4" PVC	S	Steel Pond

FIELD MEASUREMENTS

Sample date: 03/23/93
 Depth to water: 50.29 ft (15.33 m) below TOC
 Water elevation: 163.41 ft (49.81 m) msl
 Sp. conductance: 22 μ S/cm
 Water evacuated before sampling: 112 gal

Time: 15:58
 pH: 4.9
 Alkalinity: 0 mg/L
 Water temperature: 18.6 °C
 Volumes purged: 9.0 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	4.9	J	pH	0	WA
•		Specific conductance	20	J	μ S/cm	0	WA
		Acetone	<10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		μ g/L	0	WA
		Acrolein	<10		μ g/L	0	WA
		Acrylonitrile	<10		μ g/L	0	WA
		Allyl chloride	<100		μ g/L	0	WA
		Arsenic	<2.0		μ g/L	0	WA
		Barium	<4.0		μ g/L	0	WA
		Benzene	<5.0		μ g/L	0	WA
		Bromodichloromethane	<5.0		μ g/L	0	WA
		Bromoform	<5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	<10		μ g/L	0	WA
		Cadmium	<2.0		μ g/L	0	WA
		Calcium	305		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	2,950		μ g/L	0	WA
		Chlorobenzene	<5.0		μ g/L	0	WA
		Chloroethane	<10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10		μ g/L	0	WA
		Chloroform	<5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	<10		μ g/L	0	WA
		Chloroprene	<20		μ g/L	0	WA
		Chromium	<4.0		μ g/L	0	WA
		Copper	<4.0		μ g/L	0	WA
		Dibromochloromethane	<5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		μ g/L	0	WA
		1,2-Dibromoethane	<20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
		1,1-Dichloroethane	<5.0		μ g/L	0	WA
		1,2-Dichloroethane	<5.0		μ g/L	0	WA
		1,1-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		μ g/L	0	WA
		1,2-Dichloropropane	<5.0		μ g/L	0	WA

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

WELL LFW 33 collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	6.5	J3	µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	423		µg/L	0	WA
		Manganese	< 2.0		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.55		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	234		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	880	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	6,390		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,790		µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	25,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	11		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	3.4E+00 ± 1.1E+00		pCi/L	0	TM
		Nonvolatile beta	9.0E+00 ± 1.8E+00		pCi/L	0	TM
		Radium-226	1.1E+00 ± 4.0E-01		pCi/L	0	TM
		Radium-228	6.9E+00 ± 1.8E+00		pCi/L	0	TM
		Tritium	2.9E+00 ± 6.6E-01		pCi/mL	0	TM

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

WELL LFW 34

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N85409.5 E45016.9	33.288114 °N 81.714171 °W	164.7-143.7 ft msl	201 ft msl	4" PVC	S	Steel Pond

FIELD MEASUREMENTS

Sample date: 03/23/93
 Depth to water: 38.97 ft (11.88 m) below TOC
 Water elevation: 162.03 ft (49.39 m) msl
 Sp. conductance: 21 μ S/cm
 Water evacuated before sampling: 56 gal

Time: 16:22
 pH: 5.1
 Alkalinity: 0 mg/L
 Water temperature: 18.8 °C
 Volumes purged: 4.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.0	J	pH	0	WA
•		Specific conductance	19	J	μ S/cm	0	WA
		Acetone	<10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		μ g/L	0	WA
		Acrolein	<10		μ g/L	0	WA
		Acrylonitrile	<10		μ g/L	0	WA
		Allyl chloride	<100		μ g/L	0	WA
		Arsenic	<2.0		μ g/L	0	WA
		Barium	4.8	J3	μ g/L	0	WA
		Benzene	<5.0		μ g/L	0	WA
		Bromodichloromethane	<5.0		μ g/L	0	WA
		Bromoform	<5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	<10		μ g/L	0	WA
		Cadmium	<2.0		μ g/L	0	WA
		Calcium	611		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	2,730		μ g/L	0	WA
		Chlorobenzene	<5.0		μ g/L	0	WA
		Chloroethane	<10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10		μ g/L	0	WA
		Chloroform	<5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	<10		μ g/L	0	WA
		Chloroprene	<20		μ g/L	0	WA
		Chromium	<4.0		μ g/L	0	WA
		Copper	<4.0		μ g/L	0	WA
		Dibromochloromethane	<5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		μ g/L	0	WA
		1,2-Dibromoethane	<20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
		1,1-Dichloroethane	<5.0		μ g/L	0	WA
		1,2-Dichloroethane	<5.0		μ g/L	0	WA
		1,1-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		μ g/L	0	WA
		1,2-Dichloropropane	<5.0		μ g/L	0	WA

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

WELL LFW 34 collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	17		µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	473		µg/L	0	WA
		Manganese	2.6		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.55		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	227		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	565	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	6,440		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,500		µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	28,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	9.2		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	3.0E+00 ± 1.0E+00		pCi/L	0	TM
		Nonvolatile beta	5.3E+00 ± 1.7E+00		pCi/L	0	TM
		Radium-226	9.9E-01 ± 3.8E-01		pCi/L	0	TM
		Radium-228	1.7E+00 ± 1.1E+00		pCi/L	0	TM
		Tritium	3.0E+00 ± 7.1E-01		pCi/mL	0	TM

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

WELL LFW 35

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N85237.4	33.288325 °N	164.4-143.4 ft msl	183.7 ft msl	4" PVC	S	Steel Pond
E45378.8	81.712883 °W					

FIELD MEASUREMENTS

Sample date: 03/23/93
 Depth to water: 22.77 ft (6.94 m) below TOC
 Water elevation: 160.93 ft (49.05 m) msl
 Sp. conductance: 31 μ S/cm
 Water evacuated before sampling: 59 gal

Time: 16:45
 pH: 4.9
 Alkalinity: 0 mg/L
 Water temperature: 20.3 °C
 Volumes purged: 5.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	4.7	J	pH	0	WA
•		Specific conductance	32	J	μ S/cm	0	WA
		Acetone	<10		μ g/L	0	WA
		Acetone	<10		μ g/L	0	WA
		Acetone	<10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		μ g/L	0	WA
		Acrolein	<10		μ g/L	0	WA
		Acrolein	<10		μ g/L	0	WA
		Acrolein	<10		μ g/L	0	WA
		Acrylonitrile	<10		μ g/L	0	WA
		Acrylonitrile	<10		μ g/L	0	WA
		Acrylonitrile	<10		μ g/L	0	WA
		Allyl chloride	<100		μ g/L	0	WA
		Allyl chloride	<100		μ g/L	0	WA
		Allyl chloride	<100		μ g/L	0	WA
		Arsenic	<2.0		μ g/L	0	WA
		Barium	12		μ g/L	0	WA
		Benzene	<5.0		μ g/L	0	WA
		Benzene	<5.0		μ g/L	0	WA
		Bromodichloromethane	<5.0		μ g/L	0	WA
		Bromodichloromethane	<5.0		μ g/L	0	WA
		Bromodichloromethane	<5.0		μ g/L	0	WA
		Bromoform	<5.0		μ g/L	0	WA
		Bromoform	<5.0		μ g/L	0	WA
		Bromoform	<5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	<10		μ g/L	0	WA
		Bromomethane (Methyl bromide)	<10		μ g/L	0	WA
		Bromomethane (Methyl bromide)	<10		μ g/L	0	WA
		Cadmium	<2.0		μ g/L	0	WA
		Calcium	759		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	3,410		μ g/L	0	WA

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

WELL LFW 35 collected on 03/23/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chromium	< 4.0		µg/L	0	WA
		Copper	< 4.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA

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

WELL LFW 35 collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Ethylbenzene	<5.0		µg/L	0	WA
		Ethylbenzene	<5.0		µg/L	0	WA
		Ethylbenzene	<5.0		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	6.0	J3	µg/L	0	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.055		µg/L	0	WA
		Magnesium	1,410		µg/L	0	WA
		Manganese	6.1		µg/L	0	WA
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<0.55		µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	1,080		µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Potassium	<500		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	6,370		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	1,060		µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA

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

WELL LFW 35 collected on 03/23/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	30,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	7.7		µg/L	0	WA
		Total organic halogens	9.0		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	2.9E+00 ± 1.0E+00		pCi/L	0	TM
		Nonvolatile beta	7.3E+00 ± 1.7E+00		pCi/L	0	TM
		Radium-226	1.7E+00 ± 4.8E-01		pCi/L	0	TM
		Radium-228	4.4E+00 ± 1.4E+00		pCi/L	0	TM
		Tritium	2.3E+00 ± 5.4E-01		pCi/mL	0	TM

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

WELL LFW 36

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N83535.5 E45582.3	33.284894 °N 81.709040 °W	151.3-130.3 ft msl	170.4 ft msl	4" PVC	S	Steel Pond

FIELD MEASUREMENTS

Sample date: 03/22/93
 Depth to water: 23.30 ft (7.10 m) below TOC
 Water elevation: 147.10 ft (44.84 m) msl
 Sp. conductance: 263 μ S/cm
 Water evacuated before sampling: 108 gal

Time: 14:24
 pH: 6.4
 Alkalinity: 75 mg/L
 Water temperature: 19.0 °C
 Volumes purged: 9.8 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.4	J	pH	0	WA
•		Specific conductance	229	J	μ S/cm	0	WA
		Acetone	< 10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		μ g/L	0	WA
		Acrolein	< 10		μ g/L	0	WA
		Acrylonitrile	< 10		μ g/L	0	WA
		Allyl chloride	< 100		μ g/L	0	WA
		Arsenic	< 2.0		μ g/L	0	WA
		Barium	< 4.0		μ g/L	0	WA
		Benzene	3.9	J	μ g/L	1	WA
		Bromodichloromethane	< 5.0		μ g/L	0	WA
		Bromoform	< 5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	< 10		μ g/L	0	WA
		Cadmium	< 2.0		μ g/L	0	WA
		Calcium	4,820	V	μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	18,100		μ g/L	0	WA
		Chlorobenzene	5.9		μ g/L	0	WA
		Chloroethane	4.6	J	μ g/L	0	WA
■		Chloroethene (Vinyl chloride)	3.1	J	μ g/L	2	WA
		Chloroform	< 5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	< 10		μ g/L	0	WA
		Chloroprene	< 20		μ g/L	0	WA
		Chromium	< 4.0		μ g/L	0	WA
		Copper	< 4.0		μ g/L	0	WA
		Dibromochloromethane	< 5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		μ g/L	0	WA
		1,2-Dibromoethane	< 20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	0	WA
		Dichlorodifluoromethane	2.8	J	μ g/L	0	WA
		1,1-Dichloroethane	48		μ g/L	2	WA
		1,2-Dichloroethane	3.5	J	μ g/L	1	WA
		1,1-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
■		Dichloromethane (Methylene chloride)	6.5	V	μ g/L	2	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		μ g/L	0	WA
		1,2-Dichloropropane	1.2	J	μ g/L	0	WA

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

WELL LFW 36 collected on 03/22/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.12		µg/L	0	WA
		Ethylbenzene	1.7	J	µg/L	0	WA
		Fluoride	120		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	11,100	V	µg/L	2	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.059		µg/L	0	WA
		Magnesium	11,900	V	µg/L	0	WA
		Manganese	12		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.59		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	< 20		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	< 500		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	6,160		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	18,200	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	126,000		µg/L	0	WA
		Total organic carbon	3,400		µg/L	0	WA
		Total organic halogens	403		µg/L	2	WA
		Total organic halogens	478		µg/L	2	WA
		Toxaphene	< 1.2		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		1,1,1-Trichloroethane	1.1	J	µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	1.0	J	µg/L	0	WA
		Trichlorofluoromethane	3.3	J	µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	3.4E+00 ± 1.7E+00		pCi/L	0	TM
		Gross alpha	2.4E+00 ± 1.4E+00		pCi/L	0	TM
		Nonvolatile beta	5.9E+00 ± 2.2E+00		pCi/L	0	TM
		Nonvolatile beta	8.8E+00 ± 2.4E+00		pCi/L	0	TM
		Radium-226	7.5E-01 ± 3.2E-01		pCi/L	0	TM
		Radium-226	7.6E-01 ± 3.3E-01		pCi/L	0	TM
		Radium-228	4.1E+00 ± 1.1E+00		pCi/L	0	TM
		Radium-228	3.1E+00 ± 1.1E+00		pCi/L	0	TM
		Tritium	1.2E+01 ± 1.8E+00		pCi/mL	1	TM

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

WELL LFW 36 collected on 03/22/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tritium	1.2E+01 ± 1.8E+00		pCi/mL	1	TM

WELL LFW 37

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N83113.2 E45667.7	33.284100 °N 81.707994 °W	150.8-129.8 ft msl	169.9 ft msl	4" PVC	S	Steel Pond

FIELD MEASUREMENTS

Sample date: 03/22/93
 Depth to water: 25.95 ft (7.91 m) below TOC
 Water elevation: 143.95 ft (43.88 m) msl
 Sp. conductance: 186 µS/cm
 Water evacuated before sampling: 50 gal

Time: 17:16
 pH: 5.3
 Alkalinity: 8 mg/L
 Water temperature: 19.2 °C
 Volumes purged: 5.4 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.4	J	pH	0	WA
•		Specific conductance	158	J	µS/cm	0	WA
		Acetone	<10		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		µg/L	0	WA
		Acrolein	<10		µg/L	0	WA
		Acrylonitrile	<10		µg/L	0	WA
		Allyl chloride	<100		µg/L	0	WA
		Arsenic	<2.0		µg/L	0	WA
		Barium	7.3		µg/L	0	WA
■		Benzene	8.4		µg/L	2	WA
		Bromodichloromethane	<5.0		µg/L	0	WA
		Bromoform	<5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10		µg/L	0	WA
		Cadmium	<2.0		µg/L	0	WA
		Calcium	2,980	V	µg/L	0	WA
		Carbon disulfide	<5.0		µg/L	0	WA
		Carbon tetrachloride	<5.0		µg/L	0	WA
		Chloride	31,800		µg/L	0	WA
		Chlorobenzene	4.9		µg/L	0	WA
		Chloroethane	<10		µg/L	0	WA
■		Chloroethene (Vinyl chloride)	3.4	J	µg/L	2	WA
		Chloroform	<5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10		µg/L	0	WA
		Chloroprene	<20		µg/L	0	WA
		Chromium	<4.0		µg/L	0	WA
		Copper	<4.0		µg/L	0	WA
		Dibromochloromethane	<5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	<10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		µg/L	0	WA
		Dichlorodifluoromethane	29		µg/L	2	WA
		1,1-Dichloroethane	114		µg/L	2	WA

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

WELL LFW 37 collected on 03/22/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
■		1,2-Dichloroethane	7.5		µg/L	2	WA
		1,1-Dichloroethylene	3.1	J	µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
■		Dichloromethane (Methylene chloride)	42	V	µg/L	2	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		1,2-Dichloropropane	1.3	J	µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	138	V	µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.056		µg/L	0	WA
		Magnesium	4,980	V	µg/L	0	WA
		Manganese	< 2.0		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.56		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	6.7	J	µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	52		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	< 500		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	10,700		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	18,200	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	5,640		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	1.6	J	µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	122,000		µg/L	0	WA
		Total organic carbon	3,400		µg/L	0	WA
		Total organic halogens	769		µg/L	2	WA
		Total organic halogens	800		µg/L	2	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	0.84		µg/L	0	WA
		1,1,1-Trichloroethane	6.2		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
■		Trichloroethylene	9.6		µg/L	2	WA
		Trichlorofluoromethane	30		µg/L	2	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	8.7		µg/L	0	WA
		Gross alpha	5.4E+00 ± 2.0E+00		pCi/L	0	TM
		Nonvolatile beta	1.3E+01 ± 2.7E+00		pCi/L	0	TM
		Radium-226	1.8E+00 ± 4.8E-01		pCi/L	0	TM

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

WELL LFW 37 collected on 03/22/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Radium-228	7.1E+00 ± 1.4E+00		pCi/L	0	TM
		Tritium	1.3E+01 ± 1.8E+00		pCi/mL	1	TM

WELL LFW 38

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N83172.3	33.284803 °N	151.5-130.5 ft msl	170.3 ft msl	4" PVC	S	Steel Pond
E46018.5	81.707185 °W					

FIELD MEASUREMENTS

Sample date: 03/23/93
 Depth to water: 25.39 ft (7.74 m) below TOC
 Water elevation: 144.91 ft (44.17 m) msl
 Sp. conductance: 85 µS/cm
 Water evacuated before sampling: 78 gal

Time: 15:33
 pH: 4.9
 Alkalinity: 0 mg/L
 Water temperature: 19.8 °C
 Volumes purged: 8.3 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	4.9	J	pH	0	WA
•		Specific conductance	72	J	µS/cm	0	WA
		Acetone	< 10		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		µg/L	0	WA
		Acrolein	< 10		µg/L	0	WA
		Acrylonitrile	< 10		µg/L	0	WA
		Allyl chloride	< 100		µg/L	0	WA
		Arsenic	< 2.0		µg/L	0	WA
		Barium	7.2		µg/L	0	WA
■		Benzene	6.6		µg/L	2	WA
		Bromodichloromethane	< 5.0		µg/L	0	WA
		Bromoform	< 5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Calcium	992		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	17,000		µg/L	0	WA
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chromium	< 4.0		µg/L	0	WA
		Copper	< 4.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		Dichlorodifluoromethane	35		µg/L	2	WA

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

WELL LFW 38 collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		1,1-Dichloroethane	95		µg/L	2	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	5.2		µg/L	1	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
	■	Dichloromethane (Methylene chloride)	75		µg/L	2	WA
		2,4-Dichlorophenoxyacetic acid	< 1.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
●		Endrin	< 0.10	J6	µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	65		µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.057		µg/L	0	WA
●		Lindane	< 0.052	J6	µg/L	0	WA
		Magnesium	1,370		µg/L	0	WA
		Manganese	10		µg/L	0	WA
		Mercury	0.54		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.57		µg/L	0	WA
●		Methoxychlor	< 0.52	J6	µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	68		µg/L	0	WA
		Potassium	< 500		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	14,100		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	12,200		µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	2.7	J	µg/L	1	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	37,000		µg/L	0	WA
		Total organic carbon	1,800		µg/L	0	WA
		Total organic halogens	501		µg/L	2	WA
		Toxaphene	< 1.1		µg/L	0	WA
●		Toxaphene	< 1.0	J6	µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.51		µg/L	0	WA
		1,1,1-Trichloroethane	8.6		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
	■	Trichloroethylene	20		µg/L	2	WA
		Trichlorofluoromethane	20		µg/L	2	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	2.9	J	µg/L	0	WA

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

WELL LFW 38 collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Gross alpha	2.2E+00 ± 1.3E+00		pCi/L	0	TM
		Nonvolatile beta	3.5E+00 ± 1.9E+00		pCi/L	0	TM
		Radium-226	8.3E-01 ± 3.5E-01		pCi/L	0	TM
		Radium-228	1.9E+00 ± 1.0E+00		pCi/L	0	TM
■		Tritium	2.9E+01 ± 6.4E+00		pCi/mL	2	TM

WELL LFW 39

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N83213.1	33.285220 °N	152.2-131.2 ft msl	171.4 ft msl	4" PVC	S	Steel Pond
E46218.5	81.706738 °W					

FIELD MEASUREMENTS

Sample date: 03/22/93
 Depth to water: 26.22 ft (7.99 m) below TOC
 Water elevation: 145.18 ft (44.25 m) msl
 Sp. conductance: 89 μ S/cm
 Water evacuated before sampling: 220 gal

Time: 16:16
 pH: 5.1
 Alkalinity: 0 mg/L
 Water temperature: 19.2 °C
 Volumes purged: 24.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.1	J	pH	0	WA
•		Specific conductance	65	J	μ S/cm	0	WA
		Acetone	< 10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		μ g/L	0	WA
		Acrolein	< 10		μ g/L	0	WA
		Acrylonitrile	< 10		μ g/L	0	WA
		Allyl chloride	< 100		μ g/L	0	WA
		Arsenic	< 2.0		μ g/L	0	WA
		Barium	4.8	J3	μ g/L	0	WA
		Benzene	1.7	J	μ g/L	0	WA
		Bromodichloromethane	< 5.0		μ g/L	0	WA
		Bromoform	< 5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	< 10		μ g/L	0	WA
		Cadmium	< 2.0		μ g/L	0	WA
		Calcium	989	V	μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	10,600		μ g/L	0	WA
		Chlorobenzene	< 5.0		μ g/L	0	WA
		Chloroethane	< 10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		μ g/L	0	WA
		Chloroform	< 5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	< 10		μ g/L	0	WA
		Chloroprene	< 20		μ g/L	0	WA
		Chromium	< 4.0		μ g/L	0	WA
		Copper	< 4.0		μ g/L	0	WA
		Dibromochloromethane	< 5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		μ g/L	0	WA
		1,2-Dibromoethane	< 20		μ g/L	0	WA

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

WELL LFW 39 collected on 03/22/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		Dichlorodifluoromethane	116		µg/L	2	WA
		1,1-Dichloroethane	100		µg/L	2	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
■		1,1-Dichloroethylene	11		µg/L	2	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
■		Dichloromethane (Methylene chloride)	173		µg/L	2	WA
		2,4-Dichlorophenoxyacetic acid	< 1.0		µg/L	0	WA
		1,2-Dichloropropane	1.9	J	µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
●		Endrin	< 0.11		µg/L	0	WA
		Endrin	< 0.11	J6	µg/L	0	WA
		Ethylbenzene	15		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	3,690	V	µg/L	2	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.056		µg/L	0	WA
●		Lindane	< 0.053	J6	µg/L	0	WA
		Magnesium	2,140	V	µg/L	0	WA
		Manganese	13		µg/L	0	WA
		Mercury	0.21		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.56		µg/L	0	WA
●		Methoxychlor	< 0.53	J6	µg/L	0	WA
		Methyl ethyl ketone	18		µg/L	0	WA
		Methyl isobutyl ketone	60		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	179		µg/L	0	WA
		Potassium	< 500		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	10,100		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	6,890	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
■		Tetrachloroethylene	7.4		µg/L	2	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	48,000		µg/L	0	WA
		Total organic carbon	1,840		µg/L	0	WA
		Total organic halogens	580		µg/L	2	WA
●		Toxaphene	< 1.1		µg/L	0	WA
		Toxaphene	< 1.0	J6	µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.53		µg/L	0	WA
		1,1,1-Trichloroethane	51		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
■		Trichloroethylene	23		µg/L	2	WA
		Trichlorofluoromethane	148		µg/L	2	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA

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

WELL LFW 39 collected on 03/22/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	140		µg/L	0	WA
		Gross alpha	5.8E+00 ± 1.9E+00		pCi/L	0	TM
		Nonvolatile beta	5.1E+00 ± 2.0E+00		pCi/L	0	TM
		Radium-226	8.5E-01 ± 3.4E-01		pCi/L	0	TM
		Radium-228	3.1E+00 ± 1.1E+00		pCi/L	0	TM
■		Tritium	8.8E+01 ± 1.2E+01		pCi/mL	2	TM

WELL LFW 40

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N83248.8	33.285587 °N	152.2-131.2 ft msl	171 ft msl	4" PVC	S	Steel Pond
E46395.1	81.706343 °W					

FIELD MEASUREMENTS

Sample date: 03/23/93
 Depth to water: 25.98 ft (7.92 m) below TOC
 Water elevation: 145.02 ft (44.20 m) msl
 Sp. conductance: 36 µS/cm
 Water evacuated before sampling: 294 gal

Time: 11:18
 pH: 5.5
 Alkalinity: 4 mg/L
 Water temperature: 19.1 °C
 Volumes purged: 32.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.4	J	pH	0	WA
•		Specific conductance	33	J	µS/cm	0	WA
		Acetone	30		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		µg/L	0	WA
		Acrolein	< 10		µg/L	0	WA
		Acrylonitrile	< 10		µg/L	0	WA
		Allyl chloride	< 100		µg/L	0	WA
		Arsenic	< 2.0		µg/L	0	WA
		Barium	< 4.0		µg/L	0	WA
		Benzene	< 5.0		µg/L	0	WA
		Bromodichloromethane	< 5.0		µg/L	0	WA
		Bromoform	< 5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Calcium	669		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	2,540		µg/L	0	WA
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chromium	< 4.0		µg/L	0	WA
		Copper	< 4.0		µg/L	0	WA

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

WELL LFW 40 collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Dibromochloromethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		Dichlorodifluoromethane	52		µg/L	2	WA
		1,1-Dichloroethane	18		µg/L	2	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	2.7	J	µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
■		Dichloromethane (Methylene chloride)	84		µg/L	2	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	2.3	J	µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	4,290		µg/L	2	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.053		µg/L	0	WA
		Magnesium	854		µg/L	0	WA
		Manganese	< 2.0		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.53		µg/L	0	WA
		Methyl ethyl ketone	50		µg/L	0	WA
		Methyl isobutyl ketone	31		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	< 20		µg/L	0	WA
		Phenols	6.6		µg/L	0	WA
		Potassium	< 500		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	7,880		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	2,440		µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	1.8	J	µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	55,000		µg/L	0	WA
		Total organic carbon	2,250		µg/L	0	WA
		Total organic halogens	210		µg/L	2	WA
		Toxaphene	< 1.0		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		1,1,1-Trichloroethane	13		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
■		Trichloroethylene	7.3		µg/L	2	WA
		Trichlorofluoromethane	63		µg/L	2	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA

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

WELL LFW 40 collected on 03/23/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	12		µg/L	0	WA
		Gross alpha	2.3E+00 ± 1.0E+00		pCi/L	0	TM
		Nonvolatile beta	1.7E+00 ± 1.5E+00		pCi/L	0	TM
		Radium-226	1.2E+00 ± 4.2E-01		pCi/L	0	TM
		Radium-228	< 3.0E-01		pCi/L	0	TM
		Tritium	1.8E+00 ± 5.1E-01		pCi/mL	0	TM

WELL LFW 41

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N83304.9	33.286089 °N	151.3-130.3 ft msl	170.5 ft msl	4" PVC	S	Steel Pond
E46626.9	81.705841 °W					

FIELD MEASUREMENTS

Sample date: 03/21/93

Depth to water: 23.48 ft (7.16 m) below TOC

Water elevation: 147.02 ft (44.81 m) msl

Sp. conductance: 17 µS/cm

Water evacuated before sampling: 156 gal

Time: 14:25

pH: 5.0

Alkalinity: 0 mg/L

Water temperature: 19.5 °C

Volumes purged: 14.2 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.1	J	pH	0	WA
•		Specific conductance	15	J	µS/cm	0	WA
		Acetone	< 10		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		µg/L	0	WA
		Acrolein	< 10		µg/L	0	WA
		Acrylonitrile	< 10		µg/L	0	WA
		Allyl chloride	< 100		µg/L	0	WA
		Arsenic	< 2.0		µg/L	0	WA
		Barium	< 4.0		µg/L	0	WA
		Benzene	< 5.0		µg/L	0	WA
		Bromodichloromethane	< 5.0		µg/L	0	WA
		Bromoform	< 5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Calcium	213		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	1,600		µg/L	0	WA
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chromium	< 4.0		µg/L	0	WA
		Copper	< 4.0		µg/L	0	WA

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

WELL LFW 41 collected on 03/21/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Dibromochloromethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		Dichlorodifluoromethane	5.2	J	µg/L	1	WA
		1,1-Dichloroethane	2.9	J	µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	4.4	J3	µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	298		µg/L	0	WA
		Manganese	< 2.0		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.55		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	212		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	525	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	6,040		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,440	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	12,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	44		µg/L	1	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		1,1,1-Trichloroethane	6.3		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	2.2	J	µg/L	0	WA
		Trichlorofluoromethane	23		µg/L	2	WA

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

WELL LFW 41 collected on 03/21/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	1.9E+00 ± 1.0E+00		pCi/L	0	TM
		Nonvolatile beta	2.4E+00 ± 1.7E+00		pCi/L	0	TM
		Radium-226	3.5E-01 ± 2.3E-01		pCi/L	0	TM
		Radium-228	1.4E+00 ± 1.0E+00		pCi/L	0	TM
		Tritium	1.9E+00 ± 5.0E-01		pCi/mL	0	TM

WELL LFW 42

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N83776.2	33.286978 °N	151.2-130.2 ft msl	170.1 ft msl	4" PVC	S	Steel Pond
E46532.9	81.707005 °W					

FIELD MEASUREMENTS

Sample date: 03/21/93
 Depth to water: 21.00 ft (6.40 m) below TOC
 Water elevation: 149.10 ft (45.45 m) msl
 Sp. conductance: 17 µS/cm
 Water evacuated before sampling: 96 gal

Time: 14:47
 pH: 5.0
 Alkalinity: 0 mg/L
 Water temperature: 18.4 °C
 Volumes purged: 7.7 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.1	J	pH	0	WA
•		Specific conductance	15	J	µS/cm	0	WA
		Acetone	< 10		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		µg/L	0	WA
		Acrolein	< 10		µg/L	0	WA
		Acrylonitrile	< 10		µg/L	0	WA
		Allyl chloride	< 100		µg/L	0	WA
		Arsenic	< 2.0		µg/L	0	WA
		Barium	< 4.0		µg/L	0	WA
		Benzene	< 5.0		µg/L	0	WA
		Bromodichloromethane	< 5.0		µg/L	0	WA
		Bromoform	< 5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Calcium	299		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	1,660		µg/L	0	WA
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chromium	< 4.0		µg/L	0	WA

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

WELL LFW 42 collected on 03/21/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Copper	<4.0		µg/L	0	WA
		Dibromochloromethane	<5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	<10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		µg/L	0	WA
		Dichlorodifluoromethane	3.0	J	µg/L	0	WA
		1,1-Dichloroethane	2.0	J	µg/L	0	WA
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Ethylbenzene	<5.0		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	4.3	J3	µg/L	0	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.053		µg/L	0	WA
		Magnesium	361		µg/L	0	WA
		Manganese	<2.0		µg/L	0	WA
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<0.53		µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	147		µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Potassium	<500		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	6,510		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	1,420	V	µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		Tetrachloroethylene	2.3	J	µg/L	0	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	16,000		µg/L	0	WA
		Total organic carbon	<1,000		µg/L	0	WA
		Total organic halogens	47		µg/L	1	WA
		Toxaphene	<1.0		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53		µg/L	0	WA
		1,1,1-Trichloroethane	16		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		Trichloroethylene	1.1	J	µg/L	0	WA

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

WELL LFW 42 collected on 03/21/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Trichlorofluoromethane	21		µg/L	2	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	3.4E+00 ± 1.2E+00		pCi/L	0	TM
		Nonvolatile beta	4.8E+00 ± 1.9E+00		pCi/L	0	TM
		Radium-226	1.1E+00 ± 4.1E-01		pCi/L	0	TM
		Radium-228	2.8E+00 ± 1.1E+00		pCi/L	0	TM
		Tritium	1.8E+00 ± 5.5E-01		pCi/mL	0	TM

WELL LFW 43B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N86459.2	33.290800 °N	100.4-90.4 ft msl	203 ft msl	4" PVC	S	Steel Pond
E45240.5	81.715622 °W					

FIELD MEASUREMENTS

Sample date: 03/21/93
 Depth to water: 35.66 ft (10.87 m) below TOC
 Water elevation: 167.34 ft (51.01 m) msl
 Sp. conductance: 23 µS/cm
 Water evacuated before sampling: 275 gal

Time: 13:57
 pH: 6.1
 Alkalinity: 1 mg/L
 Water temperature: 19.2 °C
 Volumes purged: 5.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.7	J	pH	0	WA
•		Specific conductance	21	J	µS/cm	0	WA
		Acetone	< 10		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		µg/L	0	WA
		Acrolein	< 10		µg/L	0	WA
		Acrylonitrile	< 10		µg/L	0	WA
		Allyl chloride	< 100		µg/L	0	WA
		Arsenic	< 2.0		µg/L	0	WA
		Barium	7.4		µg/L	0	WA
		Benzene	< 5.0		µg/L	0	WA
		Bromodichloromethane	< 5.0		µg/L	0	WA
		Bromoform	< 5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Calcium	1,710		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	1,310		µg/L	0	WA
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA

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

WELL LFW 43B collected on 03/21/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Chromium	< 4.0		µg/L	0	WA
		Copper	< 4.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	125		µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.054		µg/L	0	WA
		Magnesium	286		µg/L	0	WA
		Manganese	7.5		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.54		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	871		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	659	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	7,430		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,480	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	25,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	18		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA

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

WELL LFW 43B collected on 03/21/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	3.3E+00 ± 1.3E+00		pCi/L	0	TM
		Nonvolatile beta	2.0E+00 ± 1.7E+00		pCi/L	0	TM
		Radium-226	6.5E-01 ± 3.8E-01		pCi/L	0	TM
		Radium-228	< 2.0E-01		pCi/L	0	TM
		Tritium	1.0E+00 ± 2.6E-01		pCi/mL	0	TM

WELL LFW 43C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N86480.6	33.290838 °N	138.5-128.5 ft msl	202.6 ft msl	4" PVC	S	Steel Pond
E45234.9	81.715679 °W					

FIELD MEASUREMENTS

Sample date: 03/21/93
 Depth to water: 34.94 ft (10.65 m) below TOC
 Water elevation: 167.66 ft (51.10 m) msl
 Sp. conductance: 19 µS/cm
 Water evacuated before sampling: 294 gal

Time: 15:10
 pH: 5.4
 Alkalinity: 1 mg/L
 Water temperature: 18.8 °C
 Volumes purged: 11.4 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.3	J	pH	0	WA
•		Specific conductance	17	J	µS/cm	0	WA
		Acetone	< 10		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		µg/L	0	WA
		Acrolein	< 10		µg/L	0	WA
		Acrylonitrile	< 10		µg/L	0	WA
		Allyl chloride	< 100		µg/L	0	WA
		Arsenic	< 2.0		µg/L	0	WA
		Barium	4.6	J3	µg/L	0	WA
		Benzene	< 5.0		µg/L	0	WA
		Bromodichloromethane	< 5.0		µg/L	0	WA
		Bromoform	< 5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Calcium	1,100		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	1,350		µg/L	0	WA
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA

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

WELL LFW 43C collected on 03/21/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Chromium	< 4.0		µg/L	0	WA
		Copper	< 4.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	10	J3	µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.054		µg/L	0	WA
		Magnesium	378		µg/L	0	WA
		Manganese	3.2		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.54		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	461		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	< 500		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	6,190		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,080	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	12		µg/L	0	WA
		Total dissolved solids	12,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	7.7		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA

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

WELL LFW 43C collected on 03/21/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	1.8E+00 ± 1.0E+00		pCi/L	0	TM
		Nonvolatile beta	1.3E+00 ± 1.6E+00		pCi/L	0	TM
		Radium-226	4.5E-01 ± 2.5E-01		pCi/L	0	TM
		Radium-228	1.0E+00 ± 9.0E-01		pCi/L	0	TM
		Tritium	2.2E+00 ± 5.3E-01		pCi/mL	0	TM

WELL LFW 43D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N86443.2	33.290771 °N	170.9-150.9 ft msl	202.9 ft msl	4" PVC	S	Steel Pond
E45244.5	81.715581 °W					

FIELD MEASUREMENTS

Sample date: 03/21/93
 Depth to water: 34.59 ft (10.54 m) below TOC
 Water elevation: 168.31 ft (51.30 m) msl
 Sp. conductance: 18 µS/cm
 Water evacuated before sampling: 75 gal

Time: 12:37
 pH: 5.2
 Alkalinity: 1 mg/L
 Water temperature: 19.4 °C
 Volumes purged: 6.6 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.1	J	pH	0	WA
•		Specific conductance	17	J	µS/cm	0	WA
		Acetone	< 10		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		µg/L	0	WA
		Acrolein	< 10		µg/L	0	WA
		Acrylonitrile	< 10		µg/L	0	WA
		Allyl chloride	< 100		µg/L	0	WA
		Arsenic	< 2.0		µg/L	0	WA
		Barium	8.0		µg/L	0	WA
		Benzene	< 5.0		µg/L	0	WA
		Bromodichloromethane	< 5.0		µg/L	0	WA
		Bromoform	< 5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Calcium	665		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	1,470		µg/L	0	WA
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA

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WELL LFW 43D collected on 03/21/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Chromium	< 4.0		µg/L	0	WA
		Copper	< 4.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	< 4.0		µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.054		µg/L	0	WA
		Magnesium	542		µg/L	0	WA
		Manganese	7.3		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.54		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	511		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	< 500		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	4,870		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	808	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	8,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	6.1		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA

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WELL LFW 43D collected on 03/21/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	< 6.0E-01		pCi/L	0	TM
		Gross alpha	9.0E-01 ± 1.0E+00		pCi/L	0	TM
		Nonvolatile beta	2.4E+00 ± 1.9E+00		pCi/L	0	TM
		Nonvolatile beta	2.4E+00 ± 1.9E+00		pCi/L	0	TM
		Radium-226	< 2.4E-01		pCi/L	0	TM
		Radium-226	< 2.5E-01		pCi/L	0	TM
		Radium-228	1.9E+00 ± 1.0E+00		pCi/L	0	TM
		Radium-228	3.1E+00 ± 1.2E+00		pCi/L	0	TM
		Tritium	8.7E-01 ± 4.3E-01		pCi/mL	0	TM
		Tritium	1.1E+00 ± 5.1E-01		pCi/mL	0	TM

WELL LFW 44D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N84524.4	33.286167 °N	159.3-139.5 ft msl	170.3 ft msl	4" PVC	S	Steel Pond
E45022.6	81.712435 °W					

FIELD MEASUREMENTS

Sample date: 03/22/93
 Depth to water: 14.23 ft (4.34 m) below TOC
 Water elevation: 156.07 ft (47.57 m) msl
 Sp. conductance: 21 µS/cm
 Water evacuated before sampling: 96 gal

Time: 13:04
 pH: 5.1
 Alkalinity: 0 mg/L
 Water temperature: 17.3 °C
 Volumes purged: 8.8 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.1	J	pH	0	WA
•		Specific conductance	19	J	µS/cm	0	WA
		Acetone	< 10		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		µg/L	0	WA
		Acrolein	< 10		µg/L	0	WA
		Acrylonitrile	< 10		µg/L	0	WA
		Allyl chloride	< 100		µg/L	0	WA
		Arsenic	< 2.0		µg/L	0	WA
		Barium	< 4.0		µg/L	0	WA
		Benzene	< 5.0		µg/L	0	WA
		Bromodichloromethane	< 5.0		µg/L	0	WA
		Bromoform	< 5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Calcium	374	V	µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	2,380		µg/L	0	WA
		Chlorobenzene	< 5.0		µg/L	0	WA

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

WELL LFW 44D collected on 03/22/93, laboratory analyses (cont.)

H D	Analyte	Result	Mod	Unit	Flag	Lab
	Chloroethane	< 10		µg/L	0	WA
	Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
	Chloroform	< 5.0		µg/L	0	WA
	Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
	Chloroprene	< 20		µg/L	0	WA
	Chromium	< 4.0		µg/L	0	WA
	Copper	< 4.0		µg/L	0	WA
	Dibromochloromethane	< 5.0		µg/L	0	WA
	1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
	1,2-Dibromoethane	< 20		µg/L	0	WA
	Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
	trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
	Dichlorodifluoromethane	< 10		µg/L	0	WA
	1,1-Dichloroethane	< 5.0		µg/L	0	WA
	1,2-Dichloroethane	< 5.0		µg/L	0	WA
	1,1-Dichloroethylene	< 5.0		µg/L	0	WA
	trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
	Dichloromethane (Methylene chloride)	< 5.0		µg/L	0	WA
	2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
	1,2-Dichloropropane	< 5.0		µg/L	0	WA
	cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
	trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
	Endrin	< 0.11		µg/L	0	WA
	Ethylbenzene	< 5.0		µg/L	0	WA
	Fluoride	< 100		µg/L	0	WA
	2-Hexanone	< 10		µg/L	0	WA
	Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
	Iron	10	J3V	µg/L	0	WA
	Isobutyl alcohol	< 20		µg/L	0	WA
	Lead	< 3.0		µg/L	0	WA
	Lindane	< 0.054		µg/L	0	WA
	Magnesium	366	V	µg/L	0	WA
	Manganese	< 2.0		µg/L	0	WA
	Mercury	< 0.20		µg/L	0	WA
	Methacrylonitrile	< 20		µg/L	0	WA
	Methoxychlor	< 0.54		µg/L	0	WA
	Methyl ethyl ketone	< 10		µg/L	0	WA
	Methyl isobutyl ketone	< 10		µg/L	0	WA
	Nickel	< 4.0		µg/L	0	WA
	Nitrate as nitrogen	392		µg/L	0	WA
	Phenols	< 5.0		µg/L	0	WA
	Phenols	< 5.0		µg/L	0	WA
	Potassium	530	J3	µg/L	0	WA
	Propionitrile	< 50		µg/L	0	WA
	Selenium	< 2.0		µg/L	0	WA
	Silica	5,100		µg/L	0	WA
	Silver	< 2.0		µg/L	0	WA
	Sodium	1,340	V	µg/L	0	WA
	Styrene	< 5.0		µg/L	0	WA
	Sulfate	< 1,000		µg/L	0	WA
	1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
	1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
	Tetrachloroethylene	< 5.0		µg/L	0	WA
	Toluene	< 5.0		µg/L	0	WA
	Total dissolved solids	34,000		µg/L	0	WA
	Total organic carbon	< 1,000		µg/L	0	WA

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WELL LFW 44D collected on 03/22/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Total organic halogens	5.5		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	1.1E+00 ± 9.0E-01		pCi/L	0	TM
		Nonvolatile beta	4.8E+00 ± 1.9E+00		pCi/L	0	TM
		Radium-226	7.9E-01 ± 3.2E-01		pCi/L	0	TM
		Radium-228	2.1E+00 ± 1.1E+00		pCi/L	0	TM
		Tritium	2.4E+00 ± 3.7E-01		pCi/mL	0	TM

WELL LFW 45D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N84217.8	33.285684 °N	154.7-134.7 ft msl	166.3 ft msl	4" PVC	S	Steel Pond
E45142.0	81.711525 °W					

FIELD MEASUREMENTS

Sample date: 03/22/93

Depth to water: 13.02 ft (3.97 m) below TOC

Water elevation: 153.28 ft (46.72 m) msl

Sp. conductance: 22 µS/cm

Water evacuated before sampling: 106 gal

Time: 13:57

pH: 4.9

Alkalinity: 0 mg/L

Water temperature: 17.1 °C

Volumes purged: 8.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.1	J	pH	0	WA
•		Specific conductance	19	J	µS/cm	0	WA
		Acetone	< 10		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		µg/L	0	WA
		Acrolein	< 10		µg/L	0	WA
		Acrylonitrile	< 10		µg/L	0	WA
		Allyl chloride	< 100		µg/L	0	WA
		Arsenic	< 2.0		µg/L	0	WA
		Barium	5.1	J3	µg/L	0	WA
		Benzene	< 5.0		µg/L	0	WA
		Bromodichloromethane	< 5.0		µg/L	0	WA
		Bromoform	< 5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Calcium	750	V	µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	2,130		µg/L	0	WA

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

WELL LFW 45D collected on 03/22/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chromium	< 4.0		µg/L	0	WA
		Copper	< 4.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	14	J3V	µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	532	V	µg/L	0	WA
		Manganese	2.7		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.55		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	211		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	550	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	5,870		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	971	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	32,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA

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

WELL LFW 45D collected on 03/22/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Total organic halogens	5.1		µg/L	0	WA
		Toxaphene	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichlorofluoromethane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	<5.0		µg/L	0	WA
		Gross alpha	2.0E+00 ± 1.1E+00		pCi/L	0	TM
		Nonvolatile beta	3.9E+00 ± 1.8E+00		pCi/L	0	TM
		Radium-226	8.1E-01 ± 3.4E-01		pCi/L	0	TM
		Radium-228	2.1E+00 ± 1.0E+00		pCi/L	0	TM
		Tritium	1.8E+00 ± 2.6E-01		pCi/mL	0	TM

WELL LFW 46D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N84054.0	33.285356 °N	157.1-137.3 ft msl	165.1 ft msl	4" PVC	S	Steel Pond
E45162.8	81.711152 °W					

FIELD MEASUREMENTS

Sample date: 03/22/93
 Depth to water: 13.28 ft (4.05 m) below TOC
 Water elevation: 151.82 ft (46.28 m) msl
 Sp. conductance: 87 µS/cm
 Water evacuated before sampling: 154 gal

Time: 14:22
 pH: 5.3
 Alkalinity: 4 mg/L
 Water temperature: 16.4 °C
 Volumes purged: 16.2 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.5	J	pH	0	WA
•		Specific conductance	80	J	µS/cm	0	WA
		Acetone	<10		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		µg/L	0	WA
		Acrolein	<10		µg/L	0	WA
		Acrylonitrile	<10		µg/L	0	WA
		Allyl chloride	<100		µg/L	0	WA
		Arsenic	<2.0		µg/L	0	WA
		Barium	11		µg/L	0	WA
		Benzene	<5.0		µg/L	0	WA
		Bromodichloromethane	<5.0		µg/L	0	WA
		Bromoform	<5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10		µg/L	0	WA
		Cadmium	<2.0		µg/L	0	WA
		Calcium	7,440	V	µg/L	0	WA
		Carbon disulfide	<5.0		µg/L	0	WA
		Carbon tetrachloride	<5.0		µg/L	0	WA
		Chloride	2,850		µg/L	0	WA

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

WELL LFW 46D collected on 03/22/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chromium	< 4.0		µg/L	0	WA
		Copper	< 4.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	47	V	µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.054		µg/L	0	WA
		Magnesium	3,190	V	µg/L	0	WA
		Manganese	5.3		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.54		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	234		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	877	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	5,370		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,370	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	24,000		µg/L	0	WA
		Sulfate	24,700		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA

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

WELL LFW 46D collected on 03/22/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	71,000		µg/L	0	WA
		Total dissolved solids	74,000		µg/L	0	WA
		Total organic carbon	<1,000		µg/L	0	WA
		Total organic halogens	<5.0		µg/L	0	WA
		Toxaphene	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichlorofluoromethane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	<5.0		µg/L	0	WA
		Gross alpha	4.2E+00 ± 1.7E+00		pCi/L	0	TM
		Nonvolatile beta	6.1E+00 ± 2.1E+00		pCi/L	0	TM
		Radium-226	1.2E+00 ± 4.0E-01		pCi/L	0	TM
		Radium-228	2.7E+00 ± 1.1E+00		pCi/L	0	TM
		Tritium	3.2E+00 ± 5.5E-01		pCi/mL	0	TM

WELL LFW 47C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N83843.9	33.284917 °N	115.8-105.7 ft msl	161.4 ft msl	4" PVC	S	Steel Pond
E45178.6	81.710702 °W					

FIELD MEASUREMENTS

Sample date: 03/21/93
 Depth to water: 12.04 ft (3.67 m) below TOC
 Water elevation: 149.36 ft (45.53 m) msl
 Sp. conductance: 23 µS/cm
 Water evacuated before sampling: 165 gal

Time: 13:28
 pH: 5.2
 Alkalinity: 3 mg/L
 Water temperature: 19.0 °C
 Volumes purged: 5.8 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.3	J	pH	0	WA
•		Specific conductance	21	J	µS/cm	0	WA
		Acetone	<10		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		µg/L	0	WA
		Acrolein	<10		µg/L	0	WA
		Acrylonitrile	<10		µg/L	0	WA
		Allyl chloride	<100		µg/L	0	WA
		Arsenic	<2.0		µg/L	0	WA
		Barium	4.5	J3	µg/L	0	WA
		Benzene	<5.0		µg/L	0	WA
		Bromodichloromethane	<5.0		µg/L	0	WA
		Bromoform	<5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10		µg/L	0	WA
		Cadmium	<2.0		µg/L	0	WA

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

WELL LFW 47C collected on 03/21/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Calcium	909		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	2,140		µg/L	0	WA
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chromium	< 4.0		µg/L	0	WA
		Copper	< 4.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	34		µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.054		µg/L	0	WA
		Magnesium	1,150		µg/L	0	WA
		Manganese	5.3		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.54		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	221		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	594	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	8,410		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,790	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA

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

WELL LFW 47C collected on 03/21/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	17,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	8.6		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	1.4E+00 ± 1.1E+00		pCi/L	0	TM
		Nonvolatile beta	1.2E+00 ± 1.8E+00		pCi/L	0	TM
		Radium-226	1.3E+00 ± 4.2E-01		pCi/L	0	TM
		Radium-228	1.5E+00 ± 9.0E-01		pCi/L	0	TM
		Tritium	2.4E+00 ± 1.1E+00		pCi/mL	0	TM

WELL LFW 47D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N83859.3	33.284933 °N	154.7-134.9 ft msl	161.7 ft msl	4" PVC	S	Steel Pond
E45167.9	81.710760 °W					

FIELD MEASUREMENTS

Sample date: 03/21/93
 Depth to water: 11.89 ft (3.62 m) below TOC
 Water elevation: 149.81 ft (45.66 m) msl
 Sp. conductance: 28 µS/cm
 Water evacuated before sampling: 173 gal

Time: 13:38
 pH: 5.2
 Alkalinity: 2 mg/L
 Water temperature: 16.1 °C
 Volumes purged: 17.7 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.5	J	pH	0	GE
•		pH	5.5	J	pH	0	GE
•		pH	5.3	J	pH	0	WA
•		pH	5.3	J	pH	0	WA
		Specific conductance	24		µS/cm	0	GE
		Specific conductance	23		µS/cm	0	GE
•		Specific conductance	27	J	µS/cm	0	WA
•		Specific conductance	27	J	µS/cm	0	WA
		Acetone	< 100		µg/L	0	GE
		Acetone	< 100		µg/L	0	GE
		Acetone	< 10		µg/L	0	WA
		Acetone	< 10		µg/L	0	WA

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

WELL LFW 47D collected on 03/21/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Acetonitrile (Methyl cyanide)	< 1.0		µg/L	0	GE
		Acetonitrile (Methyl cyanide)	< 1.0		µg/L	0	GE
		Acetonitrile (Methyl cyanide)	< 20		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		µg/L	0	WA
		Acrolein	< 20		µg/L	0	GE
		Acrolein	< 20		µg/L	0	GE
		Acrolein	< 10		µg/L	0	WA
		Acrolein	< 10		µg/L	0	WA
		Acrylonitrile	< 20		µg/L	0	GE
		Acrylonitrile	< 20		µg/L	0	GE
		Acrylonitrile	< 10		µg/L	0	WA
		Acrylonitrile	< 10		µg/L	0	WA
		Allyl chloride	< 50		µg/L	0	GE
		Allyl chloride	< 50		µg/L	0	GE
		Allyl chloride	< 100		µg/L	0	WA
		Allyl chloride	< 100		µg/L	0	WA
		Arsenic	< 2.0		µg/L	0	GE
		Arsenic	< 2.0		µg/L	0	GE
		Arsenic	< 2.0		µg/L	0	WA
		Arsenic	< 2.0		µg/L	0	WA
		Barium	14		µg/L	0	GE
		Barium	14		µg/L	0	GE
		Barium	13		µg/L	0	WA
		Barium	13		µg/L	0	WA
		Benzene	< 1.0		µg/L	0	GE
		Benzene	< 1.0		µg/L	0	GE
		Benzene	< 5.0		µg/L	0	WA
		Benzene	< 5.0		µg/L	0	WA
		Bis(2-chloroisopropyl) ether	< 10		µg/L	0	GE
		Bis(2-chloroisopropyl) ether	< 10		µg/L	0	GE
		Bromodichloromethane	< 1.0		µg/L	0	GE
		Bromodichloromethane	< 1.0		µg/L	0	GE
		Bromodichloromethane	< 5.0		µg/L	0	WA
		Bromodichloromethane	< 5.0		µg/L	0	WA
		Bromoform	< 1.0		µg/L	0	GE
		Bromoform	< 1.0		µg/L	0	GE
		Bromoform	< 5.0		µg/L	0	WA
		Bromoform	< 5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 1.0		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	GE
		Cadmium	< 2.0		µg/L	0	GE
		Cadmium	< 2.0		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Calcium	1,810	J2	µg/L	0	GE
		Calcium	1,820	J2	µg/L	0	GE
		Calcium	1,720		µg/L	0	WA
		Calcium	1,720		µg/L	0	WA
		Carbon disulfide	< 1.0		µg/L	0	GE
		Carbon disulfide	< 1.0		µg/L	0	GE
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 1.0		µg/L	0	GE
		Carbon tetrachloride	< 1.0		µg/L	0	GE

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

WELL LFW 47D collected on 03/21/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Carbon tetrachloride	<5.0		µg/L	0	WA
		Carbon tetrachloride	<5.0		µg/L	0	WA
		Chloride	1,770		µg/L	0	GE
		Chloride	1,740		µg/L	0	GE
		Chloride	2,010		µg/L	0	WA
		Chloride	2,010		µg/L	0	WA
		Chlorobenzene	<1.0		µg/L	0	GE
		Chlorobenzene	<1.0		µg/L	0	GE
		Chlorobenzene	<5.0		µg/L	0	WA
		Chlorobenzene	<5.0		µg/L	0	WA
		Chloroethane	<1.0		µg/L	0	GE
		Chloroethane	<1.0		µg/L	0	GE
		Chloroethane	<10		µg/L	0	WA
		Chloroethane	<10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<1.0		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<1.0		µg/L	0	GE
		Chloroethene (Vinyl chloride)	<10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	<10		µg/L	0	WA
		Chloroform	<1.0		µg/L	0	GE
		Chloroform	<1.0		µg/L	0	GE
		Chloroform	<5.0		µg/L	0	WA
		Chloroform	<5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	<1.0		µg/L	0	GE
		Chloromethane (Methyl chloride)	<1.0		µg/L	0	GE
		Chloromethane (Methyl chloride)	<10		µg/L	0	WA
		Chloromethane (Methyl chloride)	<10		µg/L	0	WA
		Chloroprene	<200		µg/L	0	GE
		Chloroprene	<200		µg/L	0	GE
		Chloroprene	<20		µg/L	0	WA
		Chloroprene	<20		µg/L	0	WA
		Chromium	<4.0		µg/L	0	GE
		Chromium	<4.0		µg/L	0	GE
		Chromium	<4.0		µg/L	0	WA
		Chromium	<4.0		µg/L	0	WA
		Copper	<4.0		µg/L	0	GE
		Copper	<4.0		µg/L	0	GE
		Copper	<4.0		µg/L	0	WA
		Copper	<4.0		µg/L	0	WA
		Dibromochloromethane	<1.0		µg/L	0	GE
		Dibromochloromethane	<1.0		µg/L	0	GE
		Dibromochloromethane	<5.0		µg/L	0	WA
		Dibromochloromethane	<5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<1.0		µg/L	0	GE
		1,2-Dibromo-3-chloropropane	<1.0		µg/L	0	GE
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	GE
		1,2-Dibromoethane	<20		µg/L	0	GE
		1,2-Dibromoethane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	<1.0		µg/L	0	GE
		Dibromomethane (Methylene bromide)	<1.0		µg/L	0	GE
		Dibromomethane (Methylene bromide)	<10		µg/L	0	WA
		Dibromomethane (Methylene bromide)	<10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	<30		µg/L	0	GE
		trans-1,4-Dichloro-2-butene	<30		µg/L	0	GE

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WELL LFW 47D collected on 03/21/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		trans-1,4-Dichloro-2-butene	<100		µg/L	0	WA
		trans-1,4-Dichloro-2 butene	<100		µg/L	0	WA
		Dichlorodifluoromethane	<1.0		µg/L	0	GE
		Dichlorodifluoromethane	<1.0		µg/L	0	GE
		Dichlorodifluoromethane	<10		µg/L	0	WA
		Dichlorodifluoromethane	<10		µg/L	0	WA
		1,1-Dichloroethane	<1.0		µg/L	0	GE
		1,1-Dichloroethane	<1.0		µg/L	0	GE
		1,1-Dichloroethane	<5.0		µg/L	0	WA
		1,1-Dichloroethane	<5.0		µg/L	0	WA
		1,2-Dichloroethane	<1.0		µg/L	0	GE
		1,2-Dichloroethane	<1.0		µg/L	0	GE
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,1-Dichloroethylene	<1.0		µg/L	0	GE
		1,1-Dichloroethylene	<1.0		µg/L	0	GE
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	<1.0		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0		µg/L	0	GE
		trans-1,2-Dichloroethylene	<5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<1.0		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<0.30		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		1,2-Dichloropropane	<1.0		µg/L	0	GE
		1,2-Dichloropropane	<1.0		µg/L	0	GE
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	<1.0		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0		µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<1.0		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0		µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		Endrin	<0.0060		µg/L	0	GE
		Endrin	<0.0060		µg/L	0	GE
		Endrin	<0.11		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Ethylbenzene	<1.0		µg/L	0	GE
		Ethylbenzene	<1.0		µg/L	0	GE
		Ethylbenzene	<5.0		µg/L	0	WA
		Ethylbenzene	<5.0		µg/L	0	WA
		Fluoride	<100		µg/L	0	GE
		Fluoride	<100		µg/L	0	GE
		Fluoride	<100		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		2-Hexanone	<1.0		µg/L	0	GE

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WELL LFW 47D collected on 03/21/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		2-Hexanone	<1.0		µg/L	0	GE
		2-Hexanone	<10		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<15		µg/L	0	GE
		Iodomethane (Methyl iodide)	<15		µg/L	0	GE
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	7.8		µg/L	0	GE
		Iron	5.6		µg/L	0	GE
		Iron	19		µg/L	0	WA
		Iron	31		µg/L	0	WA
		Isobutyl alcohol	<100		µg/L	0	GE
		Isobutyl alcohol	<100		µg/L	0	GE
		Isobutyl alcohol	<20		µg/L	0	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	<3.0		µg/L	0	GE
		Lead	<3.0		µg/L	0	GE
		Lead	<3.0		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.0050		µg/L	0	GE
		Lindane	<0.0050		µg/L	0	GE
		Lindane	<0.054		µg/L	0	WA
		Lindane	<0.054		µg/L	0	WA
		Magnesium	880		µg/L	0	GE
		Magnesium	880		µg/L	0	GE
		Magnesium	825		µg/L	0	WA
		Magnesium	841		µg/L	0	WA
		Manganese	2.7		µg/L	0	GE
		Manganese	2.7		µg/L	0	GE
		Manganese	2.2		µg/L	0	WA
		Manganese	2.3		µg/L	0	WA
•		Mercury	<0.20	J	µg/L	0	GE
•		Mercury	<0.20	J	µg/L	0	GE
•		Mercury	<0.20	J	µg/L	0	GE
		Mercury	<0.20		µg/L	0	WA
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<50		µg/L	0	GE
		Methacrylonitrile	<50		µg/L	0	GE
		Methacrylonitrile	<20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<0.50		µg/L	0	GE
		Methoxychlor	<0.50		µg/L	0	GE
		Methoxychlor	<0.54		µg/L	0	WA
		Methoxychlor	<0.54		µg/L	0	WA
		Methyl ethyl ketone	<1.0		µg/L	0	GE
		Methyl ethyl ketone	<1.0		µg/L	0	GE
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<1.0		µg/L	0	GE
		Methyl isobutyl ketone	<1.0		µg/L	0	GE
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Nickel	<4.0		µg/L	0	GE
		Nickel	<4.0		µg/L	0	GE
		Nickel	<4.0		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA

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WELL LFW 47D collected on 03/21/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Nitrate as nitrogen	59		µg/L	0	WA
		Nitrate as nitrogen	187		µg/L	0	WA
		Nitrate-nitrite as nitrogen	150		µg/L	0	GE
		Nitrate-nitrite as nitrogen	150		µg/L	0	GE
		Phenols	< 5.0		µg/L	0	GE
		Phenols	< 5.0		µg/L	0	GE
		Phenols	< 5.0		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	562		µg/L	0	GE
		Potassium	560		µg/L	0	GE
		Potassium	502	J3	µg/L	0	WA
		Potassium	583	J3	µg/L	0	WA
		Propionitrile	< 200		µg/L	0	GE
		Propionitrile	< 200		µg/L	0	GE
		Propionitrile	< 50		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	GE
		Selenium	< 2.0		µg/L	0	GE
		Selenium	< 2.0		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	4,810		µg/L	0	GE
		Silica	4,830		µg/L	0	GE
		Silica	4,010		µg/L	0	WA
		Silica	4,140		µg/L	0	WA
		Silver	< 2.0		µg/L	0	GE
		Silver	< 2.0		µg/L	0	GE
		Silver	< 2.0		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	888		µg/L	0	GE
		Sodium	870		µg/L	0	GE
		Sodium	809	V	µg/L	0	WA
		Sodium	820	V	µg/L	0	WA
		Styrene	< 1.0		µg/L	0	GE
		Styrene	< 1.0		µg/L	0	GE
		Styrene	< 5.0		µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	4,090		µg/L	0	GE
		Sulfate	4,060		µg/L	0	GE
		Sulfate	4,140		µg/L	0	WA
		Sulfate	4,150		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 1.0		µg/L	0	GE
		1,1,1,2-Tetrachloroethane	< 1.0		µg/L	0	GE
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 1.0		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 1.0		µg/L	0	GE
		Tetrachloroethylene	< 1.0		µg/L	0	GE
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 1.0		µg/L	0	GE
		Toluene	< 1.0		µg/L	0	GE
		Toluene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA

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WELL LFW 47D collected on 03/21/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Total dissolved solids	28,000	V	µg/L	0	GE
		Total dissolved solids	26,000	V	µg/L	0	GE
		Total dissolved solids	19,000	V	µg/L	0	GE
		Total dissolved solids	13,000		µg/L	0	WA
		Total dissolved solids	21,000		µg/L	0	WA
		Total organic carbon	<1,000		µg/L	0	GE
		Total organic carbon	<1,000		µg/L	0	GE
		Total organic carbon	<1,000		µg/L	0	WA
		Total organic carbon	<1,000		µg/L	0	WA
		Total organic carbon	<1,000		µg/L	0	WA
		Total organic halogens	<5.0		µg/L	0	GE
•		Total organic halogens	<5.0	J	µg/L	0	GE
•		Total organic halogens	<5.0	J	µg/L	0	GE
		Total organic halogens	10		µg/L	0	WA
		Total organic halogens	11		µg/L	0	WA
		Toxaphene	<0.24		µg/L	0	GE
		Toxaphene	<0.24		µg/L	0	GE
		Toxaphene	<1.1		µg/L	0	WA
		Toxaphene	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.090		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.54		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55		µg/L	0	WA
		1,1,1-Trichloroethane	<1.0		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2-Trichloroethane	<1.0		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0		µg/L	0	GE
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		Trichloroethylene	<1.0		µg/L	0	GE
		Trichloroethylene	<1.0		µg/L	0	GE
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichlorofluoromethane	<1.0		µg/L	0	GE
		Trichlorofluoromethane	<1.0		µg/L	0	GE
		Trichlorofluoromethane	<5.0		µg/L	0	WA
		Trichlorofluoromethane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<1.0		µg/L	0	GE
		1,2,3-Trichloropropane	<1.0		µg/L	0	GE
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		Vanadium	<8.0		µg/L	0	GE
		Vanadium	<8.0		µg/L	0	GE
		Vanadium	<3.0		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<1.0		µg/L	0	GE
		Vinyl acetate	<1.0		µg/L	0	GE
		Vinyl acetate	<10		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	<2.0		µg/L	0	GE
		Xylenes	<2.0		µg/L	0	GE
		Xylenes	<5.0		µg/L	0	WA
		Xylenes	<5.0		µg/L	0	WA

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WELL LFW 47D collected on 03/21/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Gross alpha	<2.0E+00		pCi/L	0	GE
		Gross alpha	<2.0E+00		pCi/L	0	GE
		Gross alpha	<6.0E-01		pCi/L	0	TM
		Gross alpha	7.0E-01 ± 9.0E-01		pCi/L	0	TM
		Nonvolatile beta	<2.0E+00		pCi/L	0	GE
		Nonvolatile beta	<2.0E+00		pCi/L	0	GE
		Nonvolatile beta	<8.0E-01		pCi/L	0	TM
		Nonvolatile beta	<8.0E-01		pCi/L	0	TM
		Radium-226	<2.2E-01		pCi/L	0	TM
		Radium-226	<2.4E-01		pCi/L	0	TM
		Radium-228	<3.0E-01		pCi/L	0	TM
		Radium-228	<3.0E-01		pCi/L	0	TM
		Radium, total alpha-emitting	<1.0E+00		pCi/L	0	GE
		Radium, total alpha-emitting	<1.0E+00		pCi/L	0	GE
		Tritium	<7.0E-01		pCi/mL	0	GE
		Tritium	9.1E-01 ± 3.0E-01		pCi/mL	0	GE
		Tritium	1.7E+00 ± 7.6E-01		pCi/mL	0	TM
		Tritium	1.5E+00 ± 7.0E-01		pCi/mL	0	TM

WELL LFW 48C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N83877.0	33.285401 °N	118.2-108.2 ft msl	169.3 ft msl	4" PVC	S	Steel Pond
E45430.3	81.710103 °W					

FIELD MEASUREMENTS

Sample date: 03/24/93

Depth to water: 19.55 ft (5.96 m) below TOC

Water elevation: 149.75 ft (45.64 m) msl

Sp. conductance: 25 µS/cm

Water evacuated before sampling: 212 gal

Time: 9:24

pH: 5.4

Alkalinity: 0 mg/L

Water temperature: 19.0 °C

Volumes purged: 7.8 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.0	J	pH	0	WA
•		pH	5.0	J	pH	0	WA
•		Specific conductance	24	J	µS/cm	0	WA
•		Specific conductance	25	J	µS/cm	0	WA
		Acetone	<10		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		µg/L	0	WA
		Acrolein	<10		µg/L	0	WA
		Acrylonitrile	<10		µg/L	0	WA
		Allyl chloride	<100		µg/L	0	WA
		Arsenic	<2.0		µg/L	0	WA
		Arsenic	<2.0		µg/L	0	WA
		Barium	10	J3	µg/L	0	WA
		Barium	15	J3	µg/L	0	WA
		Benzene	<5.0		µg/L	0	WA
		Bromodichloromethane	<5.0		µg/L	0	WA
		Bromoform	<5.0		µg/L	0	WA

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WELL LFW 48C collected on 03/24/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Calcium	912		µg/L	0	WA
		Calcium	918		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	2,580		µg/L	0	WA
		Chloride	2,600		µg/L	0	WA
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chromium	< 4.0		µg/L	0	WA
		Chromium	< 4.0		µg/L	0	WA
		Copper	< 4.0		µg/L	0	WA
		Copper	< 4.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		1,1-Dichloroethane	1.5	J	µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Endrin	< 0.22		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	11	J3	µg/L	0	WA
		Iron	17	J3	µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.056		µg/L	0	WA
		Lindane	< 0.11		µg/L	0	WA
		Magnesium	402		µg/L	0	WA
		Magnesium	406		µg/L	0	WA
		Manganese	13		µg/L	0	WA
		Manganese	13		µg/L	0	WA
	■	Mercury	2.6		µg/L	2	WA
	■	Mercury	2.7		µg/L	2	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 1.1		µg/L	0	WA

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

WELL LFW 48C collected on 03/24/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Methoxychlor	< 1.1		µg/L	0	WA
		Methoxychlor	< 0.56		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	537		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	< 500		µg/L	0	WA
		Potassium	< 500		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	7,040		µg/L	0	WA
		Silica	7,260		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	2,050	V	µg/L	0	WA
		Sodium	2,090	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	6,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	13		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		Toxaphene	< 2.2		µg/L	0	WA
		Toxaphene	< 2.2		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	1.1E+00 ± 8.0E-01		pCi/L	0	TM
		Gross alpha	< 6.0E-01		pCi/L	0	TM
		Nonvolatile beta	1.4E+00 ± 1.6E+00		pCi/L	0	TM
		Nonvolatile beta	1.8E+00 ± 1.6E+00		pCi/L	0	TM
		Radium-226	< 3.8E-01		pCi/L	0	TM
		Radium-226	4.9E-01 ± 2.6E-01		pCi/L	0	TM
		Radium-228	9.0E-01 ± 9.0E-01		pCi/L	0	TM
		Radium-228	< 3.0E-01		pCi/L	0	TM
		Tritium	3.4E+00 ± 8.5E-01		pCi/mL	0	TM
		Tritium	3.5E+00 ± 5.9E-01		pCi/mL	0	TM

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

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WELL LFW 48D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N83877.5 E45443.7	33.285424 °N 81.710069 °W	155.0-134.9 ft msl	169.5 ft msl	4" PVC	S	Steel Pond

FIELD MEASUREMENTS

Sample date: 03/24/93
 Depth to water: 19.22 ft (5.86 m) below TOC
 Water elevation: 150.28 ft (45.81 m) msl
 Sp. conductance: 348 μ S/cm
 Water evacuated before sampling: 94 gal

Time: 9:14
 pH: 6.7
 Alkalinity: 149 mg/L
 Water temperature: 18.1 °C
 Volumes purged: 9.3 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.1	J	pH	0	WA
•		Specific conductance	216	J	μ S/cm	0	WA
		Acetone	<10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		μ g/L	0	WA
		Acrolein	<10		μ g/L	0	WA
		Acrylonitrile	<10		μ g/L	0	WA
		Allyl chloride	<100		μ g/L	0	WA
		Arsenic	8.8		μ g/L	0	WA
		Barium	5.8		μ g/L	0	WA
		Benzene	2.8	J	μ g/L	1	WA
		Bromodichloromethane	<5.0		μ g/L	0	WA
		Bromoform	<5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	<10		μ g/L	0	WA
		Cadmium	<2.0		μ g/L	0	WA
		Calcium	6,160		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	22,600		μ g/L	0	WA
		Chlorobenzene	25		μ g/L	0	WA
		Chloroethane	<10		μ g/L	0	WA
	■	Chloroethene (Vinyl chloride)	85		μ g/L	2	WA
		Chloroform	<5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	<10		μ g/L	0	WA
		Chloroprene	<20		μ g/L	0	WA
		Chromium	<4.0		μ g/L	0	WA
		Copper	<4.0		μ g/L	0	WA
		Dibromochloromethane	<5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		μ g/L	0	WA
		1,2-Dibromoethane	<20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
		1,1-Dichloroethane	36		μ g/L	2	WA
		1,2-Dichloroethane	<5.0		μ g/L	0	WA
		1,1-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		μ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<2.2		μ g/L	0	WA

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

WELL LFW 48D collected on 03/24/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Ethylbenzene	9.3		µg/L	0	WA
		Fluoride	227		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	44,100		µg/L	2	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.055		µg/L	0	WA
		Magnesium	9,270		µg/L	0	WA
		Manganese	16		µg/L	0	WA
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<0.55		µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	<20		µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Potassium	1,050		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	6,090		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	18,400	V	µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		Tetrachloroethylene	<5.0		µg/L	0	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	84,000		µg/L	0	WA
		Total organic carbon	4,400		µg/L	0	WA
		Total organic halogens	313		µg/L	2	WA
		Toxaphene	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichlorofluoromethane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	21		µg/L	0	WA
		Gross alpha	3.2E+00 ± 1.6E+00		pCi/L	0	TM
		Nonvolatile beta	9.1E+00 ± 2.6E+00		pCi/L	0	TM
		Radium-226	8.2E-01 ± 3.5E-01		pCi/L	0	TM
		Radium-228	3.4E+00 ± 1.4E+00		pCi/L	0	TM
		Tritium	7.3E+00 ± 1.0E+00		pCi/mL	0	TM

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

WELL LFW 55C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N83613.2	33.284451 °N	104.1-94.1 ft msl	156.4 ft msl	4" PVC	S	Steel Pond
E45205.9	81.710181 °W					

FIELD MEASUREMENTS

Sample date: 03/24/93
 Depth to water: 8.94 ft (2.72 m) below TOC
 Water elevation: 147.46 ft (44.95 m) msl
 Sp. conductance: 33 μ S/cm
 Water evacuated before sampling: 192 gal

Time: 11:22
 pH: 5.3
 Alkalinity: 4 mg/L
 Water temperature: 18.2 °C
 Volumes purged: 5.5 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.3	J	pH	0	WA
•		Specific conductance	30	J	μ S/cm	0	WA
		Acetone	< 10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		μ g/L	0	WA
		Acrolein	< 10		μ g/L	0	WA
		Acrylonitrile	< 10		μ g/L	0	WA
		Allyl chloride	< 100		μ g/L	0	WA
		Arsenic	< 2.0		μ g/L	0	WA
		Barium	< 4.0		μ g/L	0	WA
		Benzene	< 5.0		μ g/L	0	WA
		Bromodichloromethane	< 5.0		μ g/L	0	WA
		Bromoform	< 5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	< 10		μ g/L	0	WA
		Cadmium	< 2.0		μ g/L	0	WA
		Calcium	874		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	2,390		μ g/L	0	WA
		Chlorobenzene	< 5.0		μ g/L	0	WA
		Chloroethane	< 10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		μ g/L	0	WA
		Chloroform	< 5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	< 10		μ g/L	0	WA
		Chloroprene	< 20		μ g/L	0	WA
		Chromium	< 4.0		μ g/L	0	WA
		Copper	< 4.0		μ g/L	0	WA
		Dibromochloromethane	< 5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		μ g/L	0	WA
		1,2-Dibromoethane	< 20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	0	WA
		Dichlorodifluoromethane	< 10		μ g/L	0	WA
		1,1-Dichloroethane	< 5.0		μ g/L	0	WA
		1,2-Dichloroethane	< 5.0		μ g/L	0	WA
		1,1-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		μ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		μ g/L	0	WA
		1,2-Dichloropropane	< 5.0		μ g/L	0	WA

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

WELL LFW 55C collected on 03/24/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	91		µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	1,130		µg/L	0	WA
		Manganese	4.5		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.55		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	1,180		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	< 500		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	8,220		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	2,120	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	8,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	9.6		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	2.5E+00 ± 1.2E+00		pCi/L	0	TM
		Nonvolatile beta	3.0E+00 ± 1.8E+00		pCi/L	0	TM
		Radium-226	1.1E+00 ± 3.9E-01		pCi/L	0	TM
		Radium-228	7.0E-01 ± 1.0E+00		pCi/L	0	TM
		Tritium	1.9E+00 ± 4.0E-01		pCi/mL	0	TM

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

WELL LFW 55D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N83601.3 E45189.3	33.284398 °N 81.710202 °W	141.4-121.2 ft msl	155.4 ft msl	4" PVC	S	Steel Pond

FIELD MEASUREMENTS

Sample date: 03/24/93
 Depth to water: 7.90 ft (2.41 m) below TOC
 Water elevation: 147.50 ft (44.96 m) msl
 Sp. conductance: 29 μ S/cm
 Water evacuated before sampling: 156 gal

Time: 11:18
 pH: 5.1
 Alkalinity: 2 mg/L
 Water temperature: 17.7 °C
 Volumes purged: 9.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.1	J	pH	0	WA
•		Specific conductance	26	J	μ S/cm	0	WA
		Acetone	< 10		μ g/L	0	WA
		Acetone	< 10		μ g/L	0	WA
		Acetone	< 10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		μ g/L	0	WA
		Acrolein	< 10		μ g/L	0	WA
		Acrolein	< 10		μ g/L	0	WA
		Acrolein	< 10		μ g/L	0	WA
		Acrylonitrile	< 10		μ g/L	0	WA
		Acrylonitrile	< 10		μ g/L	0	WA
		Acrylonitrile	< 10		μ g/L	0	WA
		Allyl chloride	< 100		μ g/L	0	WA
		Allyl chloride	< 100		μ g/L	0	WA
		Allyl chloride	< 100		μ g/L	0	WA
		Arsenic	< 2.0		μ g/L	0	WA
		Barium	9.5		μ g/L	0	WA
		Benzene	< 5.0		μ g/L	0	WA
		Benzene	< 5.0		μ g/L	0	WA
		Bromodichloromethane	< 5.0		μ g/L	0	WA
		Bromodichloromethane	< 5.0		μ g/L	0	WA
		Bromodichloromethane	< 5.0		μ g/L	0	WA
		Bromoform	< 5.0		μ g/L	0	WA
		Bromoform	< 5.0		μ g/L	0	WA
		Bromoform	< 5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	< 10		μ g/L	0	WA
		Bromomethane (Methyl bromide)	< 10		μ g/L	0	WA
		Bromomethane (Methyl bromide)	< 10		μ g/L	0	WA
		Cadmium	< 2.0		μ g/L	0	WA
		Calcium	1,200		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	2,280		μ g/L	0	WA

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

WELL LFW 55D collected on 03/24/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chromium	< 4.0		µg/L	0	WA
		Copper	< 4.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA

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

WELL LFW 55D collected on 03/24/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	146		µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.053		µg/L	0	WA
		Magnesium	840		µg/L	0	WA
		Manganese	6.9		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.53		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	161		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	618	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	6,020		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,090	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	3,760		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA

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

WELL LFW 55D collected on 03/24/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	1,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	11		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.54		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	1.0E+00 ± 8.0E-01		pCi/L	0	TM
		Nonvolatile beta	2.8E+00 ± 1.8E+00		pCi/L	0	TM
		Radium-226	4.1E-01 ± 2.3E-01		pCi/L	0	TM
		Radium-228	4.0E-01 ± 9.0E-01		pCi/L	0	TM
		Tritium	2.0E+00 ± 2.2E-01		pCi/mL	0	TM

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

WELL LFW 56D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N83398.0	33.284140 °N	151.4-131.3 ft msl	158.1 ft msl	4" PVC	S	Steel Pond
E45306.6	81.709498 °W					

FIELD MEASUREMENTS

Sample date: 03/24/93
 Depth to water: 12.11 ft (3.69 m) below TOC
 Water elevation: 145.99 ft (44.50 m) msl
 Sp. conductance: 18 μ S/cm
 Water evacuated before sampling: 232 gal

Time: 10:54
 pH: 4.8
 Alkalinity: 0 mg/L
 Water temperature: 16.3 °C
 Volumes purged: 24.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.0	J	pH	0	WA
•		Specific conductance	15	J	μ S/cm	0	WA
		Acetone	<10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		μ g/L	0	WA
		Acrolein	<10		μ g/L	0	WA
		Acrylonitrile	<10		μ g/L	0	WA
		Allyl chloride	<100		μ g/L	0	WA
		Arsenic	<2.0		μ g/L	0	WA
		Barium	<4.0		μ g/L	0	WA
		Benzene	<5.0		μ g/L	0	WA
		Bromodichloromethane	<5.0		μ g/L	0	WA
		Bromoform	<5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	<10		μ g/L	0	WA
		Cadmium	<2.0		μ g/L	0	WA
		Calcium	356		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	1,820		μ g/L	0	WA
		Chlorobenzene	<5.0		μ g/L	0	WA
		Chloroethane	<10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10		μ g/L	0	WA
		Chloroform	<5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	<10		μ g/L	0	WA
		Chloroprene	<20		μ g/L	0	WA
		Chromium	<4.0		μ g/L	0	WA
		Copper	<4.0		μ g/L	0	WA
		Dibromochloromethane	<5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		μ g/L	0	WA
		1,2-Dibromoethane	<20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
		1,1-Dichloroethane	<5.0		μ g/L	0	WA
		1,2-Dichloroethane	<5.0		μ g/L	0	WA
		1,1-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		μ g/L	0	WA
		1,2-Dichloropropane	<5.0		μ g/L	0	WA

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

WELL LFW 56D collected on 03/24/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Ethylbenzene	<5.0		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	9.9	J3	µg/L	0	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.055		µg/L	0	WA
		Magnesium	338		µg/L	0	WA
		Manganese	<2.0		µg/L	0	WA
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<0.55		µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	<20		µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Potassium	<500		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	5,350		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	1,030	V	µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		Tetrachloroethylene	<5.0		µg/L	0	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	13,000		µg/L	0	WA
		Total organic carbon	<1,000		µg/L	0	WA
		Total organic halogens	16		µg/L	0	WA
		Toxaphene	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichlorofluoromethane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	<5.0		µg/L	0	WA
		Gross alpha	<6.0E-01		pCi/L	0	TM
		Nonvolatile beta	8.0E-01 ± 1.5E+00		pCi/L	0	TM
		Radium-226	<4.0E-01		pCi/L	0	TM
		Radium-228	4.0E-01 ± 9.0E-01		pCi/L	0	TM
		Tritium	7.2E+00 ± 9.3E-01		pCi/mL	0	TM

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

WELL LFW 57B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N83196.7	33.283914 °N	78.4-68.4 ft msl	165.4 ft msl	4" PVC	S	Steel Pond
E45440.6	81.708754 °W					

FIELD MEASUREMENTS

Sample date: 03/23/93
 Depth to water: 21.16 ft (6.45 m) below TOC
 Water elevation: 144.24 ft (43.96 m) msl
 Sp. conductance: 57 $\mu\text{S}/\text{cm}$
 Water evacuated before sampling: 240 gal

Time: 10:14
 pH: 4.0
 Alkalinity: 0 mg/L
 Water temperature: 19.0 °C
 Volumes purged: 4.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	4.1	J	pH	0	WA
•		Specific conductance	52	J	$\mu\text{S}/\text{cm}$	0	WA
		Acetone	< 10		$\mu\text{g}/\text{L}$	0	WA
		Acetonitrile (Methyl cyanide)	< 20		$\mu\text{g}/\text{L}$	0	WA
		Acrolein	< 10		$\mu\text{g}/\text{L}$	0	WA
		Acrylonitrile	< 10		$\mu\text{g}/\text{L}$	0	WA
		Allyl chloride	< 100		$\mu\text{g}/\text{L}$	0	WA
		Arsenic	< 2.0		$\mu\text{g}/\text{L}$	0	WA
		Barium	4.6	J3	$\mu\text{g}/\text{L}$	0	WA
		Benzene	< 5.0		$\mu\text{g}/\text{L}$	0	WA
		Bromodichloromethane	< 5.0		$\mu\text{g}/\text{L}$	0	WA
		Bromoform	< 5.0		$\mu\text{g}/\text{L}$	0	WA
		Bromomethane (Methyl bromide)	< 10		$\mu\text{g}/\text{L}$	0	WA
		Cadmium	< 2.0		$\mu\text{g}/\text{L}$	0	WA
		Calcium	819		$\mu\text{g}/\text{L}$	0	WA
		Carbon disulfide	< 5.0		$\mu\text{g}/\text{L}$	0	WA
		Carbon tetrachloride	< 5.0		$\mu\text{g}/\text{L}$	0	WA
		Chloride	1,680		$\mu\text{g}/\text{L}$	0	WA
		Chlorobenzene	< 5.0		$\mu\text{g}/\text{L}$	0	WA
		Chloroethane	< 10		$\mu\text{g}/\text{L}$	0	WA
		Chloroethene (Vinyl chloride)	< 10		$\mu\text{g}/\text{L}$	0	WA
		Chloroform	< 5.0		$\mu\text{g}/\text{L}$	0	WA
		Chloromethane (Methyl chloride)	< 10		$\mu\text{g}/\text{L}$	0	WA
		Chloroprene	< 20		$\mu\text{g}/\text{L}$	0	WA
		Chromium	< 4.0		$\mu\text{g}/\text{L}$	0	WA
		Copper	< 4.0		$\mu\text{g}/\text{L}$	0	WA
		Dibromochloromethane	< 5.0		$\mu\text{g}/\text{L}$	0	WA
		1,2-Dibromo-3-chloropropane	< 20		$\mu\text{g}/\text{L}$	0	WA
		1,2-Dibromoethane	< 20		$\mu\text{g}/\text{L}$	0	WA
		Dibromomethane (Methylene bromide)	< 10		$\mu\text{g}/\text{L}$	0	WA
		trans-1,4-Dichloro-2-butene	< 100		$\mu\text{g}/\text{L}$	0	WA
		Dichlorodifluoromethane	< 10		$\mu\text{g}/\text{L}$	0	WA
		1,1-Dichloroethane	< 5.0		$\mu\text{g}/\text{L}$	0	WA
		1,2-Dichloroethane	< 5.0		$\mu\text{g}/\text{L}$	0	WA
		1,1-Dichloroethylene	< 5.0		$\mu\text{g}/\text{L}$	0	WA
		trans-1,2-Dichloroethylene	< 5.0		$\mu\text{g}/\text{L}$	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		$\mu\text{g}/\text{L}$	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		$\mu\text{g}/\text{L}$	0	WA
		1,2-Dichloropropane	< 5.0		$\mu\text{g}/\text{L}$	0	WA

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

WELL LFW 57B collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Ethylbenzene	<5.0		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	30		µg/L	0	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.053		µg/L	0	WA
		Magnesium	411		µg/L	0	WA
		Manganese	8.0		µg/L	0	WA
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<0.53		µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	732		µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Potassium	522	J3	µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	9,610		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	1,650		µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	11,500		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		Tetrachloroethylene	<5.0		µg/L	0	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	30,000		µg/L	0	WA
		Total organic carbon	<1,000		µg/L	0	WA
		Total organic halogens	<5.0		µg/L	0	WA
		Toxaphene	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichlorofluoromethane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	<5.0		µg/L	0	WA
		Gross alpha	8.4E+00 ± 1.6E+00		pCi/L	1	TM
		Nonvolatile beta	8.8E+00 ± 1.8E+00		pCi/L	0	TM
		Radium-226	3.6E+00 ± 7.2E-01		pCi/L	0	TM
		Radium-228	3.1E+00 ± 1.1E+00		pCi/L	0	TM
		Tritium	8.6E-01 ± 2.6E-01		pCi/mL	0	TM

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

WELL LFW 57C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N83200.1 E45411.1	33.283873 °N 81.708838 °W	117.9-107.8 ft msl	165 ft msl	4" PVC	S	Steel Pond

FIELD MEASUREMENTS

Sample date: 03/23/93
 Depth to water: 20.76 ft (6.33 m) below TOC
 Water elevation: 144.24 ft (43.96 m) msl
 Sp. conductance: 29 μ S/cm
 Water evacuated before sampling: 211 gal

Time: 9:18
 pH: 5.3
 Alkalinity: 4 mg/L
 Water temperature: 18.6 °C
 Volumes purged: 8.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.4	J	pH	0	WA
•		Specific conductance	27	J	μ S/cm	0	WA
		Acetone	<10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		μ g/L	0	WA
		Acrolein	<10		μ g/L	0	WA
		Acrylonitrile	<10		μ g/L	0	WA
		Allyl chloride	<100		μ g/L	0	WA
		Arsenic	<2.0		μ g/L	0	WA
		Barium	6.0		μ g/L	0	WA
		Benzene	<5.0		μ g/L	0	WA
		Bromodichloromethane	<5.0		μ g/L	0	WA
		Bromoform	<5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	<10		μ g/L	0	WA
		Cadmium	<2.0		μ g/L	0	WA
		Calcium	1,080		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	2,550		μ g/L	0	WA
		Chlorobenzene	<5.0		μ g/L	0	WA
		Chloroethane	<10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10		μ g/L	0	WA
		Chloroform	<5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	<10		μ g/L	0	WA
		Chloroprene	<20		μ g/L	0	WA
		Chromium	<4.0		μ g/L	0	WA
		Copper	<4.0		μ g/L	0	WA
		Dibromochloromethane	<5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		μ g/L	0	WA
		1,2-Dibromoethane	<20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
		1,1-Dichloroethane	<5.0		μ g/L	0	WA
		1,2-Dichloroethane	<5.0		μ g/L	0	WA
		1,1-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		μ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<2.2		μ g/L	0	WA

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

WELL LFW 57C collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Ethylbenzene	<5.0		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	12	J3	µg/L	0	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.054		µg/L	0	WA
		Magnesium	1,170		µg/L	0	WA
		Manganese	3.5		µg/L	0	WA
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<0.54		µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	661		µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Potassium	<500		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	8,260		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	2,100		µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		Tetrachloroethylene	<5.0		µg/L	0	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	43,000		µg/L	0	WA
		Total organic carbon	<1,000		µg/L	0	WA
		Total organic halogens	11		µg/L	0	WA
		Toxaphene	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.54		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichlorofluoromethane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	<5.0		µg/L	0	WA
		Gross alpha	1.3E+00 ± 8.0E-01		pCi/L	0	TM
		Gross alpha	7.0E-01 ± 7.0E-01		pCi/L	0	TM
		Nonvolatile beta	1.2E+00 ± 1.4E+00		pCi/L	0	TM
		Nonvolatile beta	1.0E+00 ± 1.4E+00		pCi/L	0	TM
		Radium-226	1.0E+00 ± 3.7E-01		pCi/L	0	TM
		Radium-226	1.0E+00 ± 3.8E-01		pCi/L	0	TM
		Radium-228	1.6E+00 ± 9.0E-01		pCi/L	0	TM
		Radium-228	7.0E-01 ± 8.0E-01		pCi/L	0	TM

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

WELL LFW 57C collected on 03/23/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Tritium	2.9E+00 ± 4.6E-01		pCi/mL	0	TM
		Tritium	2.6E+00 ± 3.6E-01		pCi/mL	0	TM

WELL LFW 57D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N83190.2 E45417.4	33.283861 °N 81.708802 °W	150.4-130.6 ft msl	164.8 ft msl	4" PVC	S	Steel Pond

FIELD MEASUREMENTS

Sample date: 03/23/93
 Depth to water: 20.54 ft (6.26 m) below TOC
 Water elevation: 144.26 ft (43.97 m) msl
 Sp. conductance: 54 μ S/cm
 Water evacuated before sampling: 251 gal

Time: 9:31
 pH: 5.7
 Alkalinity: 24 mg/L
 Water temperature: 18.0 °C
 Volumes purged: 28.0 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	6.1	J	pH	0	GE
•		pH	6.2	J	pH	0	GE
•		pH	5.9	J	pH	0	WA
•		pH	5.9	J	pH	0	WA
		Specific conductance	60		μ S/cm	0	GE
		Specific conductance	59		μ S/cm	0	GE
•		Specific conductance	16	J	μ S/cm	0	WA
•		Specific conductance	55	J	μ S/cm	0	WA
		Acetone	< 100		μ g/L	0	GE
		Acetone	< 100		μ g/L	0	GE
		Acetone	< 100		μ g/L	0	GE
		Acetone	< 100		μ g/L	0	GE
		Acetone	< 10		μ g/L	0	WA
		Acetone	< 10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	< 1.0		μ g/L	0	GE
		Acetonitrile (Methyl cyanide)	< 1.0		μ g/L	0	GE
		Acetonitrile (Methyl cyanide)	< 1.0		μ g/L	0	GE
		Acetonitrile (Methyl cyanide)	< 1.0		μ g/L	0	GE
		Acetonitrile (Methyl cyanide)	< 20		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		μ g/L	0	WA
		Acrolein	< 20		μ g/L	0	GE
		Acrolein	< 20		μ g/L	0	GE
		Acrolein	< 20		μ g/L	0	GE
		Acrolein	< 20		μ g/L	0	GE
		Acrolein	< 10		μ g/L	0	WA
		Acrolein	< 10		μ g/L	0	WA
		Acrylonitrile	< 20		μ g/L	0	GE
		Acrylonitrile	< 20		μ g/L	0	GE
		Acrylonitrile	< 20		μ g/L	0	GE
		Acrylonitrile	< 20		μ g/L	0	GE
		Acrylonitrile	< 10		μ g/L	0	WA
		Acrylonitrile	< 10		μ g/L	0	WA

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

WELL LFW 57D collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Allyl chloride	<50		µg/L	0	GE
		Allyl chloride	<50		µg/L	0	GE
		Allyl chloride	<50		µg/L	0	GE
		Allyl chloride	<50		µg/L	0	GE
		Allyl chloride	<100		µg/L	0	WA
		Allyl chloride	<100		µg/L	0	WA
		Arsenic	<2.0		µg/L	0	GE
		Arsenic	<2.0		µg/L	0	GE
		Arsenic	<2.0		µg/L	0	WA
		Arsenic	<2.0		µg/L	0	WA
		Barium	3.8		µg/L	0	GE
		Barium	3.8		µg/L	0	GE
		Barium	<4.0		µg/L	0	WA
		Barium	<4.0		µg/L	0	WA
		Benzene	<1.0		µg/L	0	GE
		Benzene	<1.0		µg/L	0	GE
		Benzene	<1.0		µg/L	0	GE
		Benzene	<1.0		µg/L	0	GE
		Benzene	<5.0		µg/L	0	WA
		Benzene	<5.0		µg/L	0	WA
		Bis(2-chloroisopropyl) ether	<10		µg/L	0	GE
		Bis(2-chloroisopropyl) ether	<10		µg/L	0	GE
		Bis(2-chloroisopropyl) ether	<10		µg/L	0	GE
		Bis(2-chloroisopropyl) ether	<10		µg/L	0	GE
		Bromodichloromethane	<1.0		µg/L	0	GE
		Bromodichloromethane	<1.0		µg/L	0	GE
		Bromodichloromethane	<1.0		µg/L	0	GE
		Bromodichloromethane	<1.0		µg/L	0	GE
		Bromodichloromethane	<5.0		µg/L	0	WA
		Bromodichloromethane	<5.0		µg/L	0	WA
		Bromoform	<1.0		µg/L	0	GE
		Bromoform	<1.0		µg/L	0	GE
		Bromoform	<1.0		µg/L	0	GE
		Bromoform	<1.0		µg/L	0	GE
		Bromoform	<5.0		µg/L	0	WA
		Bromoform	<5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	<1.0		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0		µg/L	0	GE
		Bromomethane (Methyl bromide)	<1.0		µg/L	0	GE
		Bromomethane (Methyl bromide)	<10		µg/L	0	WA
		Bromomethane (Methyl bromide)	<10		µg/L	0	WA
		Cadmium	<2.0		µg/L	0	GE
		Cadmium	<2.0		µg/L	0	GE
		Cadmium	<2.0		µg/L	0	WA
		Cadmium	<2.0		µg/L	0	WA
		Calcium	1,520	J2	µg/L	0	GE
		Calcium	1,490	J2	µg/L	0	GE
		Calcium	1,550		µg/L	0	WA
		Calcium	1,690		µg/L	0	WA
		Carbon disulfide	<1.0		µg/L	0	GE
		Carbon disulfide	<1.0		µg/L	0	GE
		Carbon disulfide	<1.0		µg/L	0	GE
		Carbon disulfide	<1.0		µg/L	0	GE
		Carbon disulfide	<5.0		µg/L	0	WA
		Carbon disulfide	<5.0		µg/L	0	WA

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

WELL LFW 57D collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Carbon tetrachloride	< 1.0		µg/L	0	GE
		Carbon tetrachloride	< 1.0		µg/L	0	GE
		Carbon tetrachloride	< 1.0		µg/L	0	GE
		Carbon tetrachloride	< 1.0		µg/L	0	GE
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	5,800		µg/L	0	GE
		Chloride	6,020		µg/L	0	GE
		Chloride	5,660		µg/L	0	WA
		Chloride	5,840		µg/L	0	WA
		Chlorobenzene	1.8		µg/L	0	GE
		Chlorobenzene	1.8		µg/L	0	GE
		Chlorobenzene	1.6		µg/L	0	GE
		Chlorobenzene	1.6		µg/L	0	GE
		Chlorobenzene	2.0	J	µg/L	0	WA
		Chlorobenzene	2.0	J	µg/L	0	WA
		Chloroethane	< 1.0		µg/L	0	GE
		Chloroethane	< 1.0		µg/L	0	GE
		Chloroethane	2.1		µg/L	0	GE
		Chloroethane	< 1.0		µg/L	0	GE
		Chloroethane	< 10		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
■		Chloroethene (Vinyl chloride)	5.1		µg/L	2	GE
■		Chloroethene (Vinyl chloride)	4.0		µg/L	2	GE
■		Chloroethene (Vinyl chloride)	5.0		µg/L	2	GE
■		Chloroethene (Vinyl chloride)	5.8		µg/L	2	GE
■		Chloroethene (Vinyl chloride)	4.2	J	µg/L	2	WA
■		Chloroethene (Vinyl chloride)	4.5	J	µg/L	2	WA
		Chloroform	< 1.0		µg/L	0	GE
		Chloroform	< 1.0		µg/L	0	GE
		Chloroform	< 1.0		µg/L	0	GE
		Chloroform	< 1.0		µg/L	0	GE
		Chloroform	< 5.0		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 1.0		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloroprene	< 200		µg/L	0	GE
		Chloroprene	< 200		µg/L	0	GE
		Chloroprene	< 200		µg/L	0	GE
		Chloroprene	< 200		µg/L	0	GE
		Chloroprene	< 20		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chromium	< 4.0		µg/L	0	GE
		Chromium	< 4.0		µg/L	0	GE
		Chromium	< 4.0		µg/L	0	WA
		Chromium	< 4.0		µg/L	0	WA
		Copper	< 4.0		µg/L	0	GE
		Copper	< 4.0		µg/L	0	GE
		Copper	< 4.0		µg/L	0	WA
		Copper	< 4.0		µg/L	0	WA
		Dibromochloromethane	< 1.0		µg/L	0	GE
		Dibromochloromethane	< 1.0		µg/L	0	GE

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

WELL LFW 57D collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Dibromochloromethane	< 1.0		µg/L	0	GE
		Dibromochloromethane	< 1.0		µg/L	0	GE
		Dibromochloromethane	< 5.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 1.0		µg/L	0	GE
		1,2-Dibromo-3-chloropropane	< 1.0		µg/L	0	GE
		1,2-Dibromo-3-chloropropane	< 1.0		µg/L	0	GE
		1,2-Dibromo-3-chloropropane	< 1.0		µg/L	0	GE
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	GE
		1,2-Dibromoethane	< 20		µg/L	0	GE
		1,2-Dibromoethane	< 20		µg/L	0	GE
		1,2-Dibromoethane	< 20		µg/L	0	GE
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 1.0		µg/L	0	GE
		Dibromomethane (Methylene bromide)	< 1.0		µg/L	0	GE
		Dibromomethane (Methylene bromide)	< 1.0		µg/L	0	GE
		Dibromomethane (Methylene bromide)	< 1.0		µg/L	0	GE
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 30		µg/L	0	GE
		trans-1,4-Dichloro-2-butene	< 30		µg/L	0	GE
		trans-1,4-Dichloro-2-butene	< 30		µg/L	0	GE
		trans-1,4-Dichloro-2-butene	< 30		µg/L	0	GE
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		Dichlorodifluoromethane	< 1.0		µg/L	0	GE
		Dichlorodifluoromethane	< 1.0		µg/L	0	GE
		Dichlorodifluoromethane	< 1.0		µg/L	0	GE
		Dichlorodifluoromethane	< 1.0		µg/L	0	GE
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		1,1-Dichloroethane	33		µg/L	2	GE
		1,1-Dichloroethane	28		µg/L	2	GE
		1,1-Dichloroethane	27		µg/L	2	GE
		1,1-Dichloroethane	30		µg/L	2	GE
		1,1-Dichloroethane	25		µg/L	2	WA
		1,1-Dichloroethane	25		µg/L	2	WA
		1,2-Dichloroethane	1.4		µg/L	0	GE
		1,2-Dichloroethane	1.5		µg/L	0	GE
		1,2-Dichloroethane	1.4		µg/L	0	GE
		1,2-Dichloroethane	1.3		µg/L	0	GE
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 1.0		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0		µg/L	0	GE
		1,1-Dichloroethylene	< 1.0		µg/L	0	GE
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 1.0		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0		µg/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0		µg/L	0	GE

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WELL LFW 57D collected on 03/23/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		trans-1,2-Dichloroethylene	<5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<1.0		µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.3		µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.0		µg/L	0	GE
		Dichloromethane (Methylene chloride)	2.3		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<0.30		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<0.30		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		1,2-Dichloropropane	<1.0		µg/L	0	GE
		1,2-Dichloropropane	<1.0		µg/L	0	GE
		1,2-Dichloropropane	<1.0		µg/L	0	GE
		1,2-Dichloropropane	<1.0		µg/L	0	GE
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	<1.0		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0		µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<1.0		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0		µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		Endrin	<0.0060		µg/L	0	GE
		Endrin	<0.0060		µg/L	0	GE
		Endrin	<0.11		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Ethylbenzene	<1.0		µg/L	0	GE
		Ethylbenzene	<1.0		µg/L	0	GE
		Ethylbenzene	<1.0		µg/L	0	GE
		Ethylbenzene	<1.0		µg/L	0	GE
		Ethylbenzene	<5.0		µg/L	0	WA
		Ethylbenzene	<5.0		µg/L	0	WA
		Fluoride	<100		µg/L	0	GE
		Fluoride	<100		µg/L	0	GE
		Fluoride	<100		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		2-Hexanone	<1.0		µg/L	0	GE
		2-Hexanone	<1.0		µg/L	0	GE
		2-Hexanone	<1.0		µg/L	0	GE
		2-Hexanone	<1.0		µg/L	0	GE
		2-Hexanone	<10		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<15		µg/L	0	GE
		Iodomethane (Methyl iodide)	<15		µg/L	0	GE
		Iodomethane (Methyl iodide)	<15		µg/L	0	GE
		Iodomethane (Methyl iodide)	<15		µg/L	0	GE
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA

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WELL LFW 57D collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Iron	7.2		µg/L	0	GE
		Iron	4.8		µg/L	0	GE
		Iron	9.7	J3	µg/L	0	WA
		Iron	13	J3	µg/L	0	WA
		Isobutyl alcohol	<100		µg/L	0	GE
		Isobutyl alcohol	<100		µg/L	0	GE
		Isobutyl alcohol	<100		µg/L	0	GE
		Isobutyl alcohol	<100		µg/L	0	GE
		Isobutyl alcohol	<20		µg/L	0	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	<3.0		µg/L	0	GE
		Lead	<3.0		µg/L	0	GE
		Lead	<3.0		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.0050		µg/L	0	GE
		Lindane	<0.0050		µg/L	0	GE
		Lindane	<0.055		µg/L	0	WA
		Lindane	<0.055		µg/L	0	WA
		Magnesium	2,810		µg/L	0	GE
		Magnesium	2,780		µg/L	0	GE
		Magnesium	2,880		µg/L	0	WA
		Magnesium	3,150		µg/L	0	WA
		Manganese	9.2		µg/L	0	GE
		Manganese	9.3		µg/L	0	GE
		Manganese	9.2		µg/L	0	WA
		Manganese	10		µg/L	0	WA
•		Mercury	<0.20	J	µg/L	0	GE
•		Mercury	<0.20	J	µg/L	0	GE
		Mercury	<0.20		µg/L	0	WA
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<50		µg/L	0	GE
		Methacrylonitrile	<50		µg/L	0	GE
		Methacrylonitrile	<50		µg/L	0	GE
		Methacrylonitrile	<50		µg/L	0	GE
		Methacrylonitrile	<20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<0.50		µg/L	0	GE
		Methoxychlor	<0.50		µg/L	0	GE
		Methoxychlor	<0.55		µg/L	0	WA
		Methoxychlor	<0.55		µg/L	0	WA
		Methyl ethyl ketone	<1.0		µg/L	0	GE
		Methyl ethyl ketone	<1.0		µg/L	0	GE
		Methyl ethyl ketone	<1.0		µg/L	0	GE
		Methyl ethyl ketone	<1.0		µg/L	0	GE
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<1.0		µg/L	0	GE
		Methyl isobutyl ketone	<1.0		µg/L	0	GE
		Methyl isobutyl ketone	<1.0		µg/L	0	GE
		Methyl isobutyl ketone	<1.0		µg/L	0	GE
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Nickel	<4.0		µg/L	0	GE
		Nickel	<4.0		µg/L	0	GE
		Nickel	<4.0		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA

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WELL LFW 57D collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Nitrate as nitrogen	32		µg/L	0	WA
		Nitrate as nitrogen	32		µg/L	0	WA
		Nitrate-nitrite as nitrogen	<50		µg/L	0	GE
		Nitrate-nitrite as nitrogen	<50		µg/L	0	GE
		Phenols	<5.0		µg/L	0	GE
		Phenols	<5.0		µg/L	0	GE
		Phenols	<5.0		µg/L	0	GE
		Phenols	<5.0		µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Potassium	<500		µg/L	0	GE
		Potassium	<500		µg/L	0	GE
		Potassium	<500		µg/L	0	WA
		Potassium	<500		µg/L	0	WA
		Propionitrile	<200		µg/L	0	GE
		Propionitrile	<200		µg/L	0	GE
		Propionitrile	<200		µg/L	0	GE
		Propionitrile	<200		µg/L	0	GE
		Propionitrile	<50		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	GE
		Selenium	<2.0		µg/L	0	GE
		Selenium	<2.0		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	5,540		µg/L	0	GE
		Silica	5,510		µg/L	0	GE
		Silica	5,780		µg/L	0	WA
		Silica	6,050		µg/L	0	WA
		Silver	<2.0		µg/L	0	GE
		Silver	<2.0		µg/L	0	GE
		Silver	<2.0		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	5,200		µg/L	0	GE
		Sodium	5,200		µg/L	0	GE
		Sodium	5,660		µg/L	0	WA
		Sodium	5,880		µg/L	0	WA
		Styrene	<1.0		µg/L	0	GE
		Styrene	<1.0		µg/L	0	GE
		Styrene	<1.0		µg/L	0	GE
		Styrene	<1.0		µg/L	0	GE
		Styrene	<5.0		µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	GE
		Sulfate	<1,000		µg/L	0	GE
		Sulfate	<1,000		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<1.0		µg/L	0	GE
		1,1,1,2-Tetrachloroethane	<1.0		µg/L	0	GE
		1,1,1,2-Tetrachloroethane	<1.0		µg/L	0	GE
		1,1,1,2-Tetrachloroethane	<1.0		µg/L	0	GE
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<1.0		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA

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WELL LFW 57D collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		Tetrachloroethylene	<1.0		µg/L	0	GE
		Tetrachloroethylene	<1.0		µg/L	0	GE
		Tetrachloroethylene	<1.0		µg/L	0	GE
		Tetrachloroethylene	<1.0		µg/L	0	GE
		Tetrachloroethylene	<5.0		µg/L	0	WA
		Tetrachloroethylene	<5.0		µg/L	0	WA
		Toluene	<1.0		µg/L	0	GE
		Toluene	<1.0		µg/L	0	GE
		Toluene	<1.0		µg/L	0	GE
		Toluene	<1.0		µg/L	0	GE
		Toluene	<5.0		µg/L	0	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	36,000	V	µg/L	0	GE
		Total dissolved solids	39,000	V	µg/L	0	GE
		Total dissolved solids	44,000		µg/L	0	WA
		Total dissolved solids	44,000		µg/L	0	WA
		Total organic carbon	<1,000		µg/L	0	GE
		Total organic carbon	<1,000		µg/L	0	GE
		Total organic carbon	<1,000		µg/L	0	WA
		Total organic carbon	<1,000		µg/L	0	WA
		Total organic halogens	47		µg/L	1	GE
		Total organic halogens	52		µg/L	2	GE
		Total organic halogens	163		µg/L	2	WA
		Total organic halogens	34		µg/L	1	WA
		Toxaphene	<0.24		µg/L	0	GE
		Toxaphene	<0.24		µg/L	0	GE
		Toxaphene	<1.1		µg/L	0	WA
		Toxaphene	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.090		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.090		µg/L	0	GE
		2,4,5-TP (Silvex)	<0.54		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.54		µg/L	0	WA
		1,1,1-Trichloroethane	<1.0		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2-Trichloroethane	<1.0		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0		µg/L	0	GE
		1,1,2-Trichloroethane	<1.0		µg/L	0	GE
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		Trichloroethylene	<1.0		µg/L	0	GE
		Trichloroethylene	<1.0		µg/L	0	GE
		Trichloroethylene	<1.0		µg/L	0	GE
		Trichloroethylene	<1.0		µg/L	0	GE
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichlorofluoromethane	<1.0		µg/L	0	GE
		Trichlorofluoromethane	<1.0		µg/L	0	GE
		Trichlorofluoromethane	<1.0		µg/L	0	GE
		Trichlorofluoromethane	<1.0		µg/L	0	GE
		Trichlorofluoromethane	<5.0		µg/L	0	WA

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WELL LFW 57D collected on 03/23/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		Trichlorofluoromethane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<1.0		µg/L	0	GE
		1,2,3-Trichloropropane	<1.0		µg/L	0	GE
		1,2,3-Trichloropropane	<1.0		µg/L	0	GE
		1,2,3-Trichloropropane	<1.0		µg/L	0	GE
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		Vanadium	<8.0		µg/L	0	GE
		Vanadium	<8.0		µg/L	0	GE
		Vanadium	<3.0		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<1.0		µg/L	0	GE
		Vinyl acetate	<1.0		µg/L	0	GE
		Vinyl acetate	<1.0		µg/L	0	GE
		Vinyl acetate	<1.0		µg/L	0	GE
		Vinyl acetate	<10		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	<2.0		µg/L	0	GE
		Xylenes	<2.0		µg/L	0	GE
		Xylenes	<2.0		µg/L	0	GE
		Xylenes	<2.0		µg/L	0	GE
		Xylenes	<5.0		µg/L	0	WA
		Xylenes	<5.0		µg/L	0	WA
		Gross alpha	<2.0E+00		pCi/L	0	GE
		Gross alpha	<2.0E+00		pCi/L	0	GE
		Gross alpha	7.0E-01 ± 7.0E-01		pCi/L	0	TM
		Gross alpha	5.2E+00 ± 1.3E+00		pCi/L	0	TM
		Nonvolatile beta	<2.0E+00		pCi/L	0	GE
		Nonvolatile beta	2.4E+00 ± 1.3E+00		pCi/L	0	GE
		Nonvolatile beta	3.5E+00 ± 1.6E+00		pCi/L	0	TM
		Nonvolatile beta	5.1E+00 ± 1.6E+00		pCi/L	0	TM
		Radium-226	4.3E-01 ± 2.4E-01		pCi/L	0	TM
		Radium-226	4.0E-01 ± 2.4E-01		pCi/L	0	TM
		Radium-228	3.3E+00 ± 1.1E+00		pCi/L	0	TM
		Radium-228	9.0E-01 ± 1.0E+00		pCi/L	0	TM
		Radium, total alpha-emitting	1.7E+00 ± 9.0E-01		pCi/L	0	GE
		Radium, total alpha-emitting	1.2E+00 ± 8.0E-01		pCi/L	0	GE
		Tritium	2.0E+00 ± 3.0E-01		pCi/mL	0	GE
		Tritium	2.0E+00 ± 3.0E-01		pCi/mL	0	GE
		Tritium	3.0E+00 ± 1.3E+00		pCi/mL	0	TM
		Tritium	2.7E+00 ± 1.1E+00		pCi/mL	0	TM

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WELL LFW 58D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N82940.6 E45700.2	33.283771 °N 81.707573 °W	147.6-127.5 ft msl	167.6 ft msl	4" PVC	S	Steel Pond

FIELD MEASUREMENTS

Sample date: 03/24/93
 Depth to water: 25.16 ft (7.67 m) below TOC
 Water elevation: 142.44 ft (43.42 m) msl
 Sp. conductance: 77 μ S/cm
 Water evacuated before sampling: 84 gal

Time: 10:23
 pH: 4.8
 Alkalinity: 0 mg/L
 Water temperature: 18.8 °C
 Volumes purged: 8.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	4.8	J	pH	0	WA
•		Specific conductance	70	J	μ S/cm	0	WA
		Acetone	<10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		μ g/L	0	WA
		Acrolein	<10		μ g/L	0	WA
		Acrylonitrile	<10		μ g/L	0	WA
		Allyl chloride	<100		μ g/L	0	WA
		Arsenic	<2.0		μ g/L	0	WA
		Barium	6.8		μ g/L	0	WA
		Benzene	4.0	J	μ g/L	1	WA
		Bromodichloromethane	<5.0		μ g/L	0	WA
		Bromoform	<5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	<10		μ g/L	0	WA
		Cadmium	<2.0		μ g/L	0	WA
		Calcium	1,110		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	14,300		μ g/L	0	WA
		Chlorobenzene	<5.0		μ g/L	0	WA
		Chloroethane	<10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10		μ g/L	0	WA
		Chloroform	<5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	<10		μ g/L	0	WA
		Chloroprene	<20		μ g/L	0	WA
		Chromium	<4.0		μ g/L	0	WA
		Copper	<4.0		μ g/L	0	WA
		Dibromochloromethane	<5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		μ g/L	0	WA
		1,2-Dibromoethane	<20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	0	WA
		Dichlorodifluoromethane	79		μ g/L	2	WA
		1,1-Dichloroethane	73		μ g/L	2	WA
		1,2-Dichloroethane	<5.0		μ g/L	0	WA
		1,1-Dichloroethylene	4.5	J	μ g/L	1	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
■		Dichloromethane (Methylene chloride)	61		μ g/L	2	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		μ g/L	0	WA
		1,2-Dichloropropane	<5.0		μ g/L	0	WA

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

WELL LFW 58D collected on 03/24/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Ethylbenzene	<5.0		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	49		µg/L	0	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.055		µg/L	0	WA
		Magnesium	1,230		µg/L	0	WA
		Manganese	11		µg/L	0	WA
		Mercury	0.35		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<0.55		µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	136		µg/L	0	WA
		Phenols	6.0		µg/L	0	WA
		Phenols	7.3		µg/L	0	WA
		Potassium	502	J3	µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	12,700		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	8,110	V	µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
■		Tetrachloroethylene	5.0		µg/L	2	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	43,000		µg/L	0	WA
		Total organic carbon	1,660		µg/L	0	WA
		Total organic halogens	553		µg/L	2	WA
		Toxaphene	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55		µg/L	0	WA
		1,1,1-Trichloroethane	19		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
■		Trichloroethylene	16		µg/L	2	WA
		Trichlorofluoromethane	84		µg/L	2	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	4.4	J	µg/L	0	WA
		Gross alpha	2.1E+00 ± 1.1E+00		pCi/L	0	TM
		Nonvolatile beta	3.1E+00 ± 1.8E+00		pCi/L	0	TM
		Radium-226	7.1E-01 ± 3.2E-01		pCi/L	0	TM
		Radium-228	7.7E+00 ± 1.6E+00		pCi/L	0	TM
		Tritium	8.1E+00 ± 1.2E+00		pCi/mL	0	TM

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WELL LFW 59B

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N83027.1	33.284529 °N	76.0-66.0 ft msl	168.1 ft msl	4" PVC	S	Steel Pond
E46047.4	81.706827 °W					

FIELD MEASUREMENTS

Sample date: 03/23/93
 Depth to water: 24.61 ft (7.50 m) below TOC
 Water elevation: 143.49 ft (43.74 m) msl
 Sp. conductance: 57 μ S/cm
 Water evacuated before sampling: 213 gal

Time: 9:13
 pH: 4.1
 Alkalinity: 0 mg/L
 Water temperature: 19.2 °C
 Volumes purged: 4.2 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	4.4	J	pH	0	GE
•		pH	4.2	J	pH	0	GE
•		pH	4.1	J	pH	0	WA
•		pH	4.2	J	pH	0	WA
		Specific conductance	40		μ S/cm	0	GE
		Specific conductance	49		μ S/cm	0	GE
•		Specific conductance	49	J	μ S/cm	0	WA
•		Specific conductance	52	J	μ S/cm	0	WA
		Acetone	<100		μ g/L	0	GE
		Acetone	<100		μ g/L	0	GE
		Acetone	<10		μ g/L	0	WA
		Acetone	<10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	<1.0		μ g/L	0	GE
		Acetonitrile (Methyl cyanide)	<1.0		μ g/L	0	GE
		Acetonitrile (Methyl cyanide)	<20		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		μ g/L	0	WA
		Acrolein	<20		μ g/L	0	GE
		Acrolein	<20		μ g/L	0	GE
		Acrolein	<10		μ g/L	0	WA
		Acrolein	<10		μ g/L	0	WA
		Acrylonitrile	<20		μ g/L	0	GE
		Acrylonitrile	<20		μ g/L	0	GE
		Acrylonitrile	<10		μ g/L	0	WA
		Acrylonitrile	<10		μ g/L	0	WA
		Allyl chloride	<50		μ g/L	0	GE
		Allyl chloride	<50		μ g/L	0	GE
		Allyl chloride	<100		μ g/L	0	WA
		Allyl chloride	<100		μ g/L	0	WA
		Arsenic	<2.0		μ g/L	0	GE
		Arsenic	<2.0		μ g/L	0	GE
		Arsenic	<2.0		μ g/L	0	WA
		Arsenic	<2.0		μ g/L	0	WA
		Barium	4.7		μ g/L	0	GE
		Barium	4.8		μ g/L	0	GE
		Barium	5.2	J3	μ g/L	0	WA
		Barium	5.5	J3	μ g/L	0	WA
		Benzene	<1.0		μ g/L	0	GE
		Benzene	<1.0		μ g/L	0	GE
		Benzene	<5.0		μ g/L	0	WA

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WELL LFW 59B collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Benzene	< 5.0		µg/L	0	WA
		Bis(2-chloroisopropyl) ether	< 10		µg/L	0	GE
		Bis(2-chloroisopropyl) ether	< 10		µg/L	0	GE
		Bromodichloromethane	< 1.0		µg/L	0	GE
		Bromodichloromethane	< 1.0		µg/L	0	GE
		Bromodichloromethane	< 5.0		µg/L	0	WA
		Bromodichloromethane	< 5.0		µg/L	0	WA
		Bromoform	< 1.0		µg/L	0	GE
		Bromoform	< 1.0		µg/L	0	GE
		Bromoform	< 5.0		µg/L	0	WA
		Bromoform	< 5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 1.0		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 1.0		µg/L	0	GE
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	GE
		Cadmium	< 2.0		µg/L	0	GE
		Cadmium	< 2.0		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Calcium	651	J2	µg/L	0	GE
		Calcium	646	J2	µg/L	0	GE
		Calcium	670		µg/L	0	WA
		Calcium	728		µg/L	0	WA
		Carbon disulfide	< 1.0		µg/L	0	GE
		Carbon disulfide	< 1.0		µg/L	0	GE
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 1.0		µg/L	0	GE
		Carbon tetrachloride	< 1.0		µg/L	0	GE
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	1,600		µg/L	0	GE
		Chloride	1,580		µg/L	0	GE
		Chloride	1,590		µg/L	0	WA
		Chloride	1,640		µg/L	0	WA
		Chlorobenzene	< 1.0		µg/L	0	GE
		Chlorobenzene	< 1.0		µg/L	0	GE
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chloroethane	< 1.0		µg/L	0	GE
		Chloroethane	< 1.0		µg/L	0	GE
		Chloroethane	< 10		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 1.0		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 1.0		µg/L	0	GE
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroform	< 1.0		µg/L	0	GE
		Chloroform	< 1.0		µg/L	0	GE
		Chloroform	< 5.0		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 1.0		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 1.0		µg/L	0	GE
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloroprene	< 200		µg/L	0	GE

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

WELL LFW 59B collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Chloroprene	<200		µg/L	0	GE
		Chloroprene	<20		µg/L	0	WA
		Chloroprene	<20		µg/L	0	WA
		Chromium	<4.0		µg/L	0	GE
		Chromium	<4.0		µg/L	0	GE
		Chromium	8.9		µg/L	0	WA
		Chromium	<4.0		µg/L	0	WA
		Copper	<4.0		µg/L	0	GE
		Copper	<4.0		µg/L	0	GE
		Copper	<4.0		µg/L	0	WA
		Copper	<4.0		µg/L	0	WA
		Dibromochloromethane	<1.0		µg/L	0	GE
		Dibromochloromethane	<1.0		µg/L	0	GE
		Dibromochloromethane	<5.0		µg/L	0	WA
		Dibromochloromethane	<5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<1.0		µg/L	0	GE
		1,2-Dibromo-3-chloropropane	<1.0		µg/L	0	GE
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	GE
		1,2-Dibromoethane	<20		µg/L	0	GE
		1,2-Dibromoethane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	<1.0		µg/L	0	GE
		Dibromomethane (Methylene bromide)	<1.0		µg/L	0	GE
		Dibromomethane (Methylene bromide)	<10		µg/L	0	WA
		Dibromomethane (Methylene bromide)	<10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	<30		µg/L	0	GE
		trans-1,4-Dichloro-2-butene	<30		µg/L	0	GE
		trans-1,4-Dichloro-2-butene	<100		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		µg/L	0	WA
		Dichlorodifluoromethane	<1.0		µg/L	0	GE
		Dichlorodifluoromethane	<1.0		µg/L	0	GE
		Dichlorodifluoromethane	<10		µg/L	0	WA
		Dichlorodifluoromethane	<10		µg/L	0	WA
		1,1-Dichloroethane	<1.0		µg/L	0	GE
		1,1-Dichloroethane	<1.0		µg/L	0	GE
		1,1-Dichloroethane	<5.0		µg/L	0	WA
		1,1-Dichloroethane	<5.0		µg/L	0	WA
		1,2-Dichloroethane	<1.0		µg/L	0	GE
		1,2-Dichloroethane	<1.0		µg/L	0	GE
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,1-Dichloroethylene	<1.0		µg/L	0	GE
		1,1-Dichloroethylene	<1.0		µg/L	0	GE
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	<1.0		µg/L	0	GE
		trans-1,2-Dichloroethylene	<1.0		µg/L	0	GE
		trans-1,2-Dichloroethylene	<5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<1.0		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<1.0		µg/L	0	GE
		Dichloromethane (Methylene chloride)	<5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<0.30		µg/L	0	GE

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

WELL LFW 59B collected on 03/23/93, laboratory analyses (cont.)

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
		2,4-Dichlorophenoxyacetic acid	<0.30		µg/L	0	GE
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		1,2-Dichloropropane	<1.0		µg/L	0	GE
		1,2-Dichloropropane	<1.0		µg/L	0	GE
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	<1.0		µg/L	0	GE
		cis-1,3-Dichloropropene	<1.0		µg/L	0	GE
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<1.0		µg/L	0	GE
		trans-1,3-Dichloropropene	<1.0		µg/L	0	GE
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		Endrin	<0.0060		µg/L	0	GE
		Endrin	<0.0060		µg/L	0	GE
		Endrin	<0.11		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Ethylbenzene	<1.0		µg/L	0	GE
		Ethylbenzene	<1.0		µg/L	0	GE
		Ethylbenzene	<5.0		µg/L	0	WA
		Ethylbenzene	<5.0		µg/L	0	WA
		Fluoride	<100		µg/L	0	GE
		Fluoride	<100		µg/L	0	GE
		Fluoride	<100		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		2-Hexanone	<1.0		µg/L	0	GE
		2-Hexanone	<1.0		µg/L	0	GE
		2-Hexanone	<10		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<15		µg/L	0	GE
		Iodomethane (Methyl iodide)	<15		µg/L	0	GE
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	17		µg/L	0	GE
		Iron	16		µg/L	0	GE
		Iron	30		µg/L	0	WA
		Iron	54		µg/L	0	WA
		Isobutyl alcohol	<100		µg/L	0	GE
		Isobutyl alcohol	<100		µg/L	0	GE
		Isobutyl alcohol	<20		µg/L	0	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	<3.0		µg/L	0	GE
		Lead	<3.0		µg/L	0	GE
		Lead	<3.0		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.0050		µg/L	0	GE
		Lindane	<0.0050		µg/L	0	GE
		Lindane	<0.055		µg/L	0	WA
		Lindane	<0.055		µg/L	0	WA
		Magnesium	322		µg/L	0	GE
		Magnesium	321		µg/L	0	GE
		Magnesium	350		µg/L	0	WA
		Magnesium	366		µg/L	0	WA

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

WELL LFW 59B collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Manganese	11		µg/L	0	GE
		Manganese	11		µg/L	0	GE
		Manganese	11		µg/L	0	WA
		Manganese	12		µg/L	0	WA
•		Mercury	<0.20	J	µg/L	0	GE
•		Mercury	<0.20	J	µg/L	0	GE
•		Mercury	<0.20	J	µg/L	0	GE
		Mercury	<0.20		µg/L	0	WA
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<50		µg/L	0	GE
		Methacrylonitrile	<50		µg/L	0	GE
		Methacrylonitrile	<20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<0.50		µg/L	0	GE
		Methoxychlor	<0.50		µg/L	0	GE
		Methoxychlor	<0.55		µg/L	0	WA
		Methoxychlor	<0.55		µg/L	0	WA
		Methyl ethyl ketone	<1.0		µg/L	0	GE
		Methyl ethyl ketone	<1.0		µg/L	0	GE
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<1.0		µg/L	0	GE
		Methyl isobutyl ketone	<1.0		µg/L	0	GE
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Nickel	7.7		µg/L	0	GE
		Nickel	7.9		µg/L	0	GE
		Nickel	7.9	J3	µg/L	0	WA
		Nickel	9.4	J3	µg/L	0	WA
		Nitrate as nitrogen	443		µg/L	0	WA
		Nitrate as nitrogen	456		µg/L	0	WA
		Nitrate-nitrite as nitrogen	520		µg/L	0	GE
		Nitrate-nitrite as nitrogen	520		µg/L	0	GE
		Phenols	<5.0		µg/L	0	GE
		Phenols	<5.0		µg/L	0	GE
		Phenols	<5.0		µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Potassium	<500		µg/L	0	GE
		Potassium	<500		µg/L	0	GE
		Potassium	533	J3	µg/L	0	WA
		Potassium	664	J3	µg/L	0	WA
		Propionitrile	<200		µg/L	0	GE
		Propionitrile	<200		µg/L	0	GE
		Propionitrile	<50		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	GE
		Selenium	<2.0		µg/L	0	GE
		Selenium	<2.0		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	10,700		µg/L	0	GE
		Silica	10,600		µg/L	0	GE
		Silica	10,700		µg/L	0	WA
		Silica	11,400		µg/L	0	WA
		Silver	<2.0		µg/L	0	GE
		Silver	<2.0		µg/L	0	GE

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

WELL LFW 59B collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Silver	< 2.0		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,340		µg/L	0	GE
		Sodium	1,340		µg/L	0	GE
		Sodium	1,420		µg/L	0	WA
		Sodium	1,510		µg/L	0	WA
		Styrene	< 1.0		µg/L	0	GE
		Styrene	< 1.0		µg/L	0	GE
		Styrene	< 5.0		µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	7,710		µg/L	0	GE
		Sulfate	7,660		µg/L	0	GE
		Sulfate	10,800		µg/L	0	WA
		Sulfate	11,700		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 1.0		µg/L	0	GE
		1,1,1,2-Tetrachloroethane	< 1.0		µg/L	0	GE
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 1.0		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 1.0		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 1.0		µg/L	0	GE
		Tetrachloroethylene	< 1.0		µg/L	0	GE
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 1.0		µg/L	0	GE
		Toluene	< 1.0		µg/L	0	GE
		Toluene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	21,000	V	µg/L	0	GE
		Total dissolved solids	27,000	V	µg/L	0	GE
		Total dissolved solids	22,000	V	µg/L	0	GE
		Total dissolved solids	45,000		µg/L	0	WA
		Total dissolved solids	49,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	GE
		Total organic carbon	< 1,000		µg/L	0	GE
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	< 5.0		µg/L	0	GE
		Total organic halogens	< 5.0		µg/L	0	GE
		Total organic halogens	< 5.0		µg/L	0	WA
		Total organic halogens	< 5.0		µg/L	0	WA
		Toxaphene	< 0.24		µg/L	0	GE
		Toxaphene	< 0.24		µg/L	0	GE
		Toxaphene	< 1.1		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.090		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.090		µg/L	0	GE
		2,4,5-TP (Silvex)	< 0.54		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.54		µg/L	0	WA
		1,1,1-Trichloroethane	< 1.0		µg/L	0	GE
		1,1,1-Trichloroethane	< 1.0		µg/L	0	GE
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 1.0		µg/L	0	GE

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

WELL LFW 59B collected on 03/23/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		1,1,2-Trichloroethane	< 1.0		µg/L	0	GE
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 1.0		µg/L	0	GE
		Trichloroethylene	< 1.0		µg/L	0	GE
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 1.0		µg/L	0	GE
		Trichlorofluoromethane	< 1.0		µg/L	0	GE
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 1.0		µg/L	0	GE
		1,2,3-Trichloropropane	< 1.0		µg/L	0	GE
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 8.0		µg/L	0	GE
		Vanadium	< 8.0		µg/L	0	GE
		Vanadium	< 3.0		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 1.0		µg/L	0	GE
		Vinyl acetate	< 1.0		µg/L	0	GE
		Vinyl acetate	< 10		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 2.0		µg/L	0	GE
		Xylenes	< 2.0		µg/L	0	GE
		Xylenes	< 5.0		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	8.3E+00 ± 2.6E+00		pCi/L	1	GE
		Gross alpha	8.4E+00 ± 2.6E+00		pCi/L	1	GE
		Gross alpha	6.1E+00 ± 1.4E+00		pCi/L	0	TM
		Gross alpha	1.0E+00 ± 8.0E-01		pCi/L	0	TM
		Nonvolatile beta	4.2E+00 ± 1.5E+00		pCi/L	0	GE
		Nonvolatile beta	3.4E+00 ± 1.4E+00		pCi/L	0	GE
		Nonvolatile beta	5.6E+00 ± 1.7E+00		pCi/L	0	TM
		Nonvolatile beta	< 4.0E-01		pCi/L	0	TM
		Radium-226	3.2E+00 ± 6.9E-01		pCi/L	0	TM
		Radium-226	4.0E+00 ± 8.1E-01		pCi/L	0	TM
		Radium-228	1.3E+00 ± 1.0E+00		pCi/L	0	TM
		Radium-228	9.0E-01 ± 1.3E+00		pCi/L	0	TM
		Radium, total alpha-emitting	6.6E+00 ± 1.8E+00		pCi/L	0	GE
		Radium, total alpha-emitting	7.0E+00 ± 1.8E+00		pCi/L	0	GE
		Tritium	< 7.0E-01		pCi/mL	0	GE
		Tritium	< 7.0E-01		pCi/mL	0	GE
		Tritium	5.1E-01 ± 2.6E-01		pCi/mL	0	TM
		Tritium	5.3E-01 ± 2.5E-01		pCi/mL	0	TM

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

WELL LFW 59C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N83011.0 E46052.0	33.284501 °N 81.706784 °W	110.3-100.3 ft msl	167.3 ft msl	4" PVC	S	Steel Pond

FIELD MEASUREMENTS

Sample date: 03/24/93
 Depth to water: 24.12 ft (7.35 m) below TOC
 Water elevation: 143.18 ft (43.64 m) msl
 Sp. conductance: 49 μ S/cm
 Water evacuated before sampling: 164 gal

Time: 11:49
 pH: 4.9
 Alkalinity: 0 mg/L
 Water temperature: 19.5 °C
 Volumes purged: 5.8 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	4.9	J	pH	0	WA
•		Specific conductance	42	J	μ S/cm	0	WA
		Acetone	<10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		μ g/L	0	WA
		Acrolein	<10		μ g/L	0	WA
		Acrylonitrile	<10		μ g/L	0	WA
		Allyl chloride	<100		μ g/L	0	WA
		Arsenic	<2.0		μ g/L	0	WA
		Barium	6.8		μ g/L	0	WA
		Benzene	1.6	J	μ g/L	0	WA
		Bromodichloromethane	<5.0		μ g/L	0	WA
		Bromoform	<5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	<10		μ g/L	0	WA
		Cadmium	<2.0		μ g/L	0	WA
		Calcium	806		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	6,500		μ g/L	0	WA
		Chlorobenzene	<5.0		μ g/L	0	WA
		Chloroethane	<10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10		μ g/L	0	WA
		Chloroform	<5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	<10		μ g/L	0	WA
		Chloroprene	<20		μ g/L	0	WA
		Chromium	<4.0		μ g/L	0	WA
		Copper	<4.0		μ g/L	0	WA
		Dibromochloromethane	<5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		μ g/L	0	WA
		1,2-Dibromoethane	<20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	0	WA
		Dichlorodifluoromethane	19		μ g/L	2	WA
		1,1-Dichloroethane	31		μ g/L	2	WA
		1,2-Dichloroethane	<5.0		μ g/L	0	WA
		1,1-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
■		Dichloromethane (Methylene chloride)	45		μ g/L	2	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		μ g/L	0	WA
		1,2-Dichloropropane	<5.0		μ g/L	0	WA

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

WELL LFW 59C collected on 03/24/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Ethylbenzene	<5.0		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	24		µg/L	0	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.055		µg/L	0	WA
		Magnesium	962		µg/L	0	WA
		Manganese	3.0		µg/L	0	WA
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<0.55		µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	876		µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Potassium	<500		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	9,440		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	3,730	V	µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		Tetrachloroethylene	1.7	J	µg/L	0	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	36,000		µg/L	0	WA
		Total organic carbon	<1,000		µg/L	0	WA
		Total organic halogens	99		µg/L	2	WA
		Toxaphene	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.56		µg/L	0	WA
		1,1,1-Trichloroethane	2.1	J	µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
■		Trichloroethylene	12		µg/L	2	WA
		Trichlorofluoromethane	11		µg/L	2	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	<5.0		µg/L	0	WA
		Gross alpha	1.7E+00 ± 1.0E+00		pCi/L	0	TM
		Nonvolatile beta	2.9E+00 ± 1.8E+00		pCi/L	0	TM
		Radium-226	1.3E+00 ± 4.4E-01		pCi/L	0	TM
		Radium-228	3.9E+00 ± 1.2E+00		pCi/L	0	TM
		Tritium	2.0E+01 ± 2.2E+00		pCi/mL	1	TM

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

WELL LFW 59D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N83000.1 E46056.1	33.284484 °N 81.706752 °W	149.3-129.3 ft msl	167.6 ft msl	4" PVC	S	Steel Pond

FIELD MEASUREMENTS

Sample date: 03/24/93
 Depth to water: 23.43 ft (7.14 m) below TOC
 Water elevation: 144.17 ft (43.94 m) msl
 Sp. conductance: 37 μ S/cm
 Water evacuated before sampling: 65 gal

Time: 10:36
 pH: 4.9
 Alkalinity: 0 mg/L
 Water temperature: 19.3 °C
 Volumes purged: 6.7 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	4.9	J	pH	0	WA
•		Specific conductance	30	J	μ S/cm	0	WA
		Acetone	< 10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		μ g/L	0	WA
		Acrolein	< 10		μ g/L	0	WA
		Acrylonitrile	< 10		μ g/L	0	WA
		Allyl chloride	< 100		μ g/L	0	WA
		Arsenic	< 2.0		μ g/L	0	WA
		Barium	5.4	J3	μ g/L	0	WA
	■	Benzene	7.5		μ g/L	2	WA
		Bromodichloromethane	< 5.0		μ g/L	0	WA
		Bromoform	< 5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	< 10		μ g/L	0	WA
		Cadmium	< 2.0		μ g/L	0	WA
		Calcium	668		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	4,350		μ g/L	0	WA
		Chlorobenzene	< 5.0		μ g/L	0	WA
		Chloroethane	< 10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		μ g/L	0	WA
		Chloroform	< 5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	< 10		μ g/L	0	WA
		Chloroprene	< 20		μ g/L	0	WA
		Chromium	< 4.0		μ g/L	0	WA
		Copper	< 4.0		μ g/L	0	WA
		Dibromochloromethane	< 5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		μ g/L	0	WA
		1,2-Dibromoethane	< 20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	0	WA
		Dichlorodifluoromethane	125		μ g/L	2	WA
		1,1-Dichloroethane	61		μ g/L	2	WA
		1,2-Dichloroethane	< 5.0		μ g/L	0	WA
		1,1-Dichloroethylene	6.7		μ g/L	1	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
	■	Dichloromethane (Methylene chloride)	75		μ g/L	2	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		μ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 2.3		μ g/L	0	WA

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

WELL LFW 59D collected on 03/24/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Ethylbenzene	<5.0		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	16	J3	µg/L	0	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.055		µg/L	0	WA
		Magnesium	774		µg/L	0	WA
		Manganese	10		µg/L	0	WA
		Mercury	0.33		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<0.55		µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	164		µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Potassium	<500		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	11,100		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	2,800	V	µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		Tetrachloroethylene	3.1	J	µg/L	1	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	26,000		µg/L	0	WA
		Total organic carbon	1,080		µg/L	0	WA
		Total organic halogens	469		µg/L	2	WA
		Total organic halogens	553		µg/L	2	WA
		Toxaphene	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.56		µg/L	0	WA
		1,1,1-Trichloroethane	25		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
■		Trichloroethylene	42		µg/L	2	WA
		Trichlorofluoromethane	98		µg/L	2	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	9.7		µg/L	0	WA
		Gross alpha	1.6E+00 ± 9.0E-01		pCi/L	0	TM
		Nonvolatile beta	1.4E+00 ± 1.6E+00		pCi/L	0	TM
		Radium-226	7.4E-01 ± 3.5E-01		pCi/L	0	TM
		Radium-228	2.5E+00 ± 1.2E+00		pCi/L	0	TM
		Tritium	1.3E+01 ± 1.5E+00		pCi/mL	1	TM

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

WELL LFW 60D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N82531.5 E45722.3	33.282903 °N 81.706720 °W	143.8-123.8 ft msl	157.1 ft msl	4" PVC	S	Steel Pond

FIELD MEASUREMENTS

Sample date: 03/24/93
 Depth to water: 18.42 ft (5.61 m) below TOC
 Water elevation: 138.68 ft (42.27 m) msl
 Sp. conductance: 17 μ S/cm
 Water evacuated before sampling: 12 gal
 The well went dry during purging.

Time: 9:48
 pH: 5.5
 Alkalinity: 3 mg/L
 Water temperature: 18.1 °C
 Volumes purged: 1.2 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.7	J	pH	0	WA
•		Specific conductance	15	J	μ S/cm	0	WA
		Acetone	< 10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		μ g/L	0	WA
		Acrolein	< 10		μ g/L	0	WA
		Acrylonitrile	< 10		μ g/L	0	WA
		Allyl chloride	< 100		μ g/L	0	WA
		Arsenic	< 2.0		μ g/L	0	WA
		Barium	4.2	J3	μ g/L	0	WA
		Benzene	< 5.0		μ g/L	0	WA
		Bromodichloromethane	< 5.0		μ g/L	0	WA
		Bromoform	< 5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	< 10		μ g/L	0	WA
		Cadmium	< 2.0		μ g/L	0	WA
		Calcium	629		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	1,470		μ g/L	0	WA
		Chlorobenzene	< 5.0		μ g/L	0	WA
		Chloroethane	< 10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		μ g/L	0	WA
		Chloroform	< 5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	< 10		μ g/L	0	WA
		Chloroprene	< 20		μ g/L	0	WA
		Chromium	< 4.0		μ g/L	0	WA
		Copper	< 4.0		μ g/L	0	WA
		Dibromochloromethane	< 5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		μ g/L	0	WA
		1,2-Dibromoethane	< 20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	0	WA
		Dichlorodifluoromethane	< 10		μ g/L	0	WA
		1,1-Dichloroethane	< 5.0		μ g/L	0	WA
		1,2-Dichloroethane	< 5.0		μ g/L	0	WA
		1,1-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		μ g/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		μ g/L	0	WA
		1,2-Dichloropropane	< 5.0		μ g/L	0	WA

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

WELL LFW 60D collected on 03/24/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	131		µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	3.9	J3	µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	239		µg/L	0	WA
		Manganese	15		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.55		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	55		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	< 500		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	5,470		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,590	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	10,000		µg/L	0	WA
		Total organic carbon	1,860		µg/L	0	WA
		Total organic halogens	11		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.54		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	1.1	J	µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	7.0E-01 ± 7.0E-01		pCi/L	0	TM
		Nonvolatile beta	1.0E+00 ± 1.5E+00		pCi/L	0	TM
		Radium-226	< 2.7E-01		pCi/L	0	TM
		Radium-228	1.5E+00 ± 1.1E+00		pCi/L	0	TM
		Tritium	1.3E+00 ± 2.2E-01		pCi/mL	0	TM

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

WELL LEW 61C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N83084.4 E46489.6	33.285378 °N 81.705774 °W	121.1-111.0 ft msl	168.3 ft msl	4" PVC	S	Steel Pond

FIELD MEASUREMENTS

Sample date: 03/24/93
 Depth to water: 25.32 ft (7.72 m) below TOC
 Water elevation: 142.98 ft (43.58 m) msl
 Sp. conductance: 77 μ S/cm
 Water evacuated before sampling: 183 gal

Time: 11:56
 pH: 5.9
 Alkalinity: 20 mg/L
 Water temperature: 19.4 °C
 Volumes purged: 8.7 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.9	J	pH	0	WA
•		Specific conductance	71	J	μ S/cm	0	WA
		Acetone	< 10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		μ g/L	0	WA
		Acrolein	< 10		μ g/L	0	WA
		Acrylonitrile	< 10		μ g/L	0	WA
		Allyl chloride	< 100		μ g/L	0	WA
		Arsenic	< 2.0		μ g/L	0	WA
		Barium	< 4.0		μ g/L	0	WA
		Benzene	< 5.0		μ g/L	0	WA
		Bromodichloromethane	< 5.0		μ g/L	0	WA
		Bromoform	< 5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	< 10		μ g/L	0	WA
		Cadmium	< 2.0		μ g/L	0	WA
		Calcium	880		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	4,060		μ g/L	0	WA
		Chlorobenzene	< 5.0		μ g/L	0	WA
		Chloroethane	< 10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		μ g/L	0	WA
		Chloroform	< 5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	< 10		μ g/L	0	WA
		Chloroprene	< 20		μ g/L	0	WA
		Chromium	< 4.0		μ g/L	0	WA
		Copper	< 4.0		μ g/L	0	WA
		Dibromochloromethane	< 5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		μ g/L	0	WA
		1,2-Dibromoethane	< 20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	0	WA
		Dichlorodifluoromethane	73		μ g/L	2	WA
		1,1-Dichloroethane	22		μ g/L	2	WA
		1,2-Dichloroethane	< 5.0		μ g/L	0	WA
		1,1-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
■		Dichloromethane (Methylene chloride)	86		μ g/L	2	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		μ g/L	0	WA
		1,2-Dichloropropane	< 5.0		μ g/L	0	WA

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

WELL LFW 61C collected on 03/24/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	2.3	J	µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	11,500		µg/L	2	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.056		µg/L	0	WA
		Magnesium	916		µg/L	0	WA
		Manganese	16		µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.56		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	22		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	< 20		µg/L	0	WA
		Phenols	6.5		µg/L	0	WA
		Potassium	< 500		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	7,050		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	2,570	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	4.1	J	µg/L	1	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	40,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	393		µg/L	2	WA
		Total organic halogens	430		µg/L	2	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.56		µg/L	0	WA
		1,1,1-Trichloroethane	33		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
■		Trichloroethylene	8.1		µg/L	2	WA
		Trichlorofluoromethane	63		µg/L	2	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	10		µg/L	0	WA
		Gross alpha	4.2E+00 ± 1.5E+00		pCi/L	0	TM
		Nonvolatile beta	1.6E+00 ± 1.7E+00		pCi/L	0	TM
		Radium-226	5.9E-01 ± 2.8E-01		pCi/L	0	TM
		Radium-228	3.6E+00 ± 1.2E+00		pCi/L	0	TM
		Tritium	2.1E+00 ± 2.4E-01		pCi/mL	0	TM

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

WELL LFW 61D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N83089.1	33.285358 °N	150.4-130.3 ft msl	168.3 ft msl	4" PVC	S	Steel Pond
E46471.1	81.705832 °W					

FIELD MEASUREMENTS

Sample date: 03/24/93
 Depth to water: 22.99 ft (7.01 m) below TOC
 Water elevation: 145.31 ft (44.29 m) msl
 Sp. conductance: 21 μ S/cm
 Water evacuated before sampling: 140 gal

Time: 11:36
 pH: 5.0
 Alkalinity: 0 mg/L
 Water temperature: 18.8 °C
 Volumes purged: 14.2 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.1	J	pH	0	WA
•		Specific conductance	18	J	μ S/cm	0	WA
		Acetone	< 10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		μ g/L	0	WA
		Acrolein	< 10		μ g/L	0	WA
		Acrylonitrile	< 10		μ g/L	0	WA
		Allyl chloride	< 100		μ g/L	0	WA
		Arsenic	< 2.0		μ g/L	0	WA
		Barium	< 4.0		μ g/L	0	WA
		Benzene	< 5.0		μ g/L	0	WA
		Bromodichloromethane	< 5.0		μ g/L	0	WA
		Bromoform	< 5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	< 10		μ g/L	0	WA
		Cadmium	< 2.0		μ g/L	0	WA
		Calcium	325		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	1,910		μ g/L	0	WA
		Chlorobenzene	< 5.0		μ g/L	0	WA
		Chloroethane	< 10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		μ g/L	0	WA
		Chloroform	< 5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	< 10		μ g/L	0	WA
		Chloroprene	< 20		μ g/L	0	WA
		Chromium	< 4.0		μ g/L	0	WA
		Copper	< 4.0		μ g/L	0	WA
		Dibromochloromethane	< 5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		μ g/L	0	WA
		1,2-Dibromoethane	< 20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	0	WA
		Dichlorodifluoromethane	49		μ g/L	2	WA
		1,1-Dichloroethane	28		μ g/L	2	WA
		1,2-Dichloroethane	< 5.0		μ g/L	0	WA
		1,1-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
■		Dichloromethane (Methylene chloride)	21		μ g/L	2	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		μ g/L	0	WA
		1,2-Dichloropropane	< 5.0		μ g/L	0	WA

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

WELL LFW 61D collected on 03/24/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Ethylbenzene	<5.0		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	56		µg/L	0	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.055		µg/L	0	WA
		Magnesium	494		µg/L	0	WA
		Manganese	<2.0		µg/L	0	WA
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<0.55		µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	89		µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Potassium	<500		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	7,530		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	1,350	V	µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		Tetrachloroethylene	4.1	J	µg/L	1	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	15,000		µg/L	0	WA
		Total organic carbon	<1,000		µg/L	0	WA
		Total organic halogens	178		µg/L	2	WA
		Toxaphene	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.56		µg/L	0	WA
		1,1,1-Trichloroethane	27		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
■		Trichloroethylene	11		µg/L	2	WA
		Trichlorofluoromethane	104		µg/L	2	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	<5.0		µg/L	0	WA
		Gross alpha	1.6E+00 ± 9.0E-01		pCi/L	0	TM
		Gross alpha	1.0E+00 ± 7.0E-01		pCi/L	0	TM
		Nonvolatile beta	1.0E+00 ± 1.5E+00		pCi/L	0	TM
		Nonvolatile beta	2.0E+00 ± 1.7E+00		pCi/L	0	TM
		Radium-226	5.7E-01 ± 2.9E-01		pCi/L	0	TM
		Radium-226	4.0E-01 ± 2.5E-01		pCi/L	0	TM
		Radium-228	2.3E+00 ± 8.0E-01		pCi/L	0	TM
		Radium-228	2.3E+00 ± 7.0E-01		pCi/L	0	TM
		Tritium	4.2E+00 ± 6.7E-01		pCi/mL	0	TM
		Tritium	4.1E+00 ± 6.7E-01		pCi/mL	0	TM

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

WELL LFW 62B

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N83001.2	33.284257 °N	72.8-62.8 ft msl	164.9 ft msl	4" PVC	S	Steel Pond
E45915.5	81.707124 °W					

FIELD MEASUREMENTS

Sample date: 03/24/93
 Depth to water: 22.05 ft (6.72 m) below TOC
 Water elevation: 142.85 ft (43.54 m) msl
 Sp. conductance: 40 µS/cm
 Water evacuated before sampling: 291 gal

Time: 9:34
 pH: 4.5
 Alkalinity: 0 mg/L
 Water temperature: 19.3 °C
 Volumes purged: 5.5 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	4.6	J	pH	0	WA
•		Specific conductance	34	J	µS/cm	0	WA
		Acetone	< 10		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		µg/L	0	WA
		Acrolein	< 10		µg/L	0	WA
		Acrylonitrile	< 10		µg/L	0	WA
		Allyl chloride	< 100		µg/L	0	WA
		Arsenic	< 2.0		µg/L	0	WA
		Barium	6.0		µg/L	0	WA
		Benzene	< 5.0		µg/L	0	WA
		Bromodichloromethane	< 5.0		µg/L	0	WA
		Bromoform	< 5.0		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Calcium	854		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	2,570		µg/L	0	WA
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chloroethane	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		µg/L	0	WA
		Chloroform	< 5.0		µg/L	0	WA
		Chloromethane (Methyl chloride)	< 10		µg/L	0	WA
		Chloroprene	< 20		µg/L	0	WA
		Chromium	< 4.0		µg/L	0	WA
		Copper	< 4.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA

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

WELL LFW 62B collected on 03/24/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Ethylbenzene	<5.0		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	253		µg/L	1	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	3.7	J3	µg/L	0	WA
		Lindane	<0.057		µg/L	0	WA
		Magnesium	320		µg/L	0	WA
		Manganese	17		µg/L	0	WA
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<0.57		µg/L	0	WA
		Methyl ethyl ketone	<10		µg/L	0	WA
		Methyl isobutyl ketone	<10		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	575		µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Potassium	<500		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	8,620		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	1,680	V	µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	7,330		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		Tetrachloroethylene	<5.0		µg/L	0	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	23,000		µg/L	0	WA
		Total organic carbon	<1,000		µg/L	0	WA
		Total organic halogens	5.7		µg/L	0	WA
		Toxaphene	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.57		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichlorofluoromethane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	<5.0		µg/L	0	WA
		Gross alpha	7.6E+00 ± 2.1E+00		pCi/L	1	TM
		Nonvolatile beta	5.2E+00 ± 2.0E+00		pCi/L	0	TM
		Radium-226	2.4E+00 ± 1.1E+00		pCi/L	0	TM
		Radium-228	2.9E+00 ± 1.7E+00		pCi/L	0	TM
		Tritium	<5.2E-01		pCi/mL	0	TM

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

WELL LFW 62C

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N83012.7 E45906.7	33.284268 °N 81.707169 °W	118.4-108.4 ft msl	165.5 ft msl	4" PVC	S	Steel Pond

FIELD MEASUREMENTS

Sample date: 03/24/93
 Depth to water: 22.04 ft (6.72 m) below TOC
 Water elevation: 143.46 ft (43.73 m) msl
 Sp. conductance: 38 μ S/cm
 Water evacuated before sampling: 75 gal

Time: 10:03
 pH: 5.0
 Alkalinity: 0 mg/L
 Water temperature: 19.6 °C
 Volumes purged: 3.3 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.0	J	pH	0	WA
•		Specific conductance	32	J	μ S/cm	0	WA
		Acetone	<10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	<20		μ g/L	0	WA
		Acrolein	<10		μ g/L	0	WA
		Acrylonitrile	<10		μ g/L	0	WA
		Allyl chloride	<100		μ g/L	0	WA
		Arsenic	<2.0		μ g/L	0	WA
		Barium	6.8		μ g/L	0	WA
		Benzene	<5.0		μ g/L	0	WA
		Bromodichloromethane	<5.0		μ g/L	0	WA
		Bromoform	<5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	<10		μ g/L	0	WA
		Cadmium	<2.0		μ g/L	0	WA
		Calcium	1,060		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	3,320		μ g/L	0	WA
		Chlorobenzene	<5.0		μ g/L	0	WA
		Chloroethane	<10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	<10		μ g/L	0	WA
		Chloroform	<5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	<10		μ g/L	0	WA
		Chloroprene	<20		μ g/L	0	WA
		Chromium	<4.0		μ g/L	0	WA
		Copper	<4.0		μ g/L	0	WA
		Dibromochloromethane	<5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		μ g/L	0	WA
		1,2-Dibromoethane	<20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	0	WA
		Dichlorodifluoromethane	18		μ g/L	2	WA
		1,1-Dichloroethane	14		μ g/L	2	WA
		1,2-Dichloroethane	<5.0		μ g/L	0	WA
		1,1-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
■		Dichloromethane (Methylene chloride)	8.7		μ g/L	2	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		μ g/L	0	WA
		1,2-Dichloropropane	<5.0		μ g/L	0	WA

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

WELL LFW 62C collected on 03/24/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	6.7	J3	µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.057		µg/L	0	WA
		Magnesium	972		µg/L	0	WA
		Manganese	7.1		µg/L	0	WA
		Mercury	1.4		µg/L	1	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.57		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	1,720		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	821	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	8,800		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	2,440		µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		Tetrachloroethylene	2.5	J	µg/L	1	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	32,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	72		µg/L	2	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.57		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
■		Trichloroethylene	12		µg/L	2	WA
		Trichlorofluoromethane	5.7		µg/L	1	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	1.3E+00 ± 8.0E-01		pCi/L	0	TM
		Nonvolatile beta	1.1E+00 ± 1.6E+00		pCi/L	0	TM
		Radium-226	1.0E+00 ± 4.0E-01		pCi/L	0	TM
		Radium-228	2.4E+00 ± 7.0E-01		pCi/L	0	TM
		Tritium	9.0E+00 ± 1.3E+00		pCi/mL	0	TM

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

WELL LFW 62D

<u>SRS Coord.</u>	<u>Lat/Longitude</u>	<u>Screen Zone Elevation</u>	<u>Top of Casing</u>	<u>Casing</u>	<u>Pump</u>	<u>Formation</u>
N82991.6 E45922.9	33.284247 °N 81.707086 °W	147.6-127.6 ft msl	164.8 ft msl	4" PVC	S	Steel Pond

FIELD MEASUREMENTS

Sample date: 03/24/93
 Depth to water: 20.47 ft (6.24 m) below TOC
 Water elevation: 144.33 ft (43.99 m) msl
 Sp. conductance: 47 μ S/cm
 Water evacuated before sampling: 11 gal
 The well went dry during purging.

Time: 9:08
 pH: 5.0
 Alkalinity: 1 mg/L
 Water temperature: 17.9 °C
 Volumes purged: 1.0 well volumes

LABORATORY ANALYSES

<u>H</u>	<u>D</u>	<u>Analyte</u>	<u>Result</u>	<u>Mod</u>	<u>Unit</u>	<u>Flag</u>	<u>Lab</u>
•		pH	5.0	J	pH	0	WA
•		Specific conductance	40	J	μ S/cm	0	WA
		Acetone	< 10		μ g/L	0	WA
		Acetonitrile (Methyl cyanide)	< 20		μ g/L	0	WA
		Acrolein	< 10		μ g/L	0	WA
		Acrylonitrile	< 10		μ g/L	0	WA
		Allyl chloride	< 100		μ g/L	0	WA
		Arsenic	< 2.0		μ g/L	0	WA
		Barium	7.3		μ g/L	0	WA
		Benzene	< 5.0		μ g/L	0	WA
		Bromodichloromethane	< 5.0		μ g/L	0	WA
		Bromoform	< 5.0		μ g/L	0	WA
		Bromomethane (Methyl bromide)	< 10		μ g/L	0	WA
		Cadmium	< 2.0		μ g/L	0	WA
		Calcium	1,040		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	5,210		μ g/L	0	WA
		Chlorobenzene	< 5.0		μ g/L	0	WA
		Chloroethane	< 10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	< 10		μ g/L	0	WA
		Chloroform	< 5.0		μ g/L	0	WA
		Chloromethane (Methyl chloride)	< 10		μ g/L	0	WA
		Chloroprene	< 20		μ g/L	0	WA
		Chromium	< 4.0		μ g/L	0	WA
		Copper	5.3	J3	μ g/L	0	WA
		Dibromochloromethane	< 5.0		μ g/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		μ g/L	0	WA
		1,2-Dibromoethane	< 20		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	0	WA
		Dichlorodifluoromethane	59		μ g/L	2	WA
		1,1-Dichloroethane	35		μ g/L	2	WA
		1,2-Dichloroethane	< 5.0		μ g/L	0	WA
		1,1-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
■		Dichloromethane (Methylene chloride)	23		μ g/L	2	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		μ g/L	0	WA
		1,2-Dichloropropane	< 5.0		μ g/L	0	WA

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

WELL LFW 62D collected on 03/24/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	1,020		µg/L	2	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	6.0	J3	µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	995		µg/L	0	WA
		Manganese	20		µg/L	0	WA
		Mercury	0.51		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.55		µg/L	0	WA
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	988		µg/L	0	WA
		Phenols	5.1		µg/L	0	WA
		Potassium	< 500		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	8,940		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	2,800		µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
■		Tetrachloroethylene	6.5		µg/L	2	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	32,000		µg/L	0	WA
		Total dissolved solids	33,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	256		µg/L	2	WA
		Toxaphene	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.56		µg/L	0	WA
		1,1,1-Trichloroethane	21		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
■		Trichloroethylene	9.7		µg/L	2	WA
		Trichlorofluoromethane	64		µg/L	2	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		Gross alpha	1.3E+00 ± 9.0E-01		pCi/L	0	TM
		Nonvolatile beta	2.7E+00 ± 1.8E+00		pCi/L	0	TM
		Radium-226	6.6E-01 ± 3.2E-01		pCi/L	0	TM
		Radium-228	1.0E+00 ± 8.0E-01		pCi/L	0	TM
		Tritium	3.9E+00 ± 5.9E-01		pCi/mL	0	TM

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

Appendix A – Final Primary Drinking Water Standards

Final Primary Drinking Water Standards

Analyte	Unit	Level	Status	Reference
Antimony	µg/L	6	Final	EPA, 1992b
Arsenic	µg/L	50	Final	EPA, 1992a
Asbestos	fibers/L	7,000,000	Final	EPA, 1992a
Barium	µg/L	2,000	Final	EPA, 1992a
Benzene	µg/L	5	Final	EPA, 1992a
Benzo[a]pyrene	µg/L	0.2	Final	EPA, 1992b
Beryllium	µg/L	4	Final	EPA, 1992b
Bis(2-ethylhexyl) phthalate	µg/L	6	Final	EPA, 1992b
Bromodichloromethane	µg/L	100 ^a	Final	EPA, 1992a
Bromoform	µg/L	100 ^a	Final	EPA, 1992a
2-sec-Butyl-4,6-dinitrophenol	µg/L	7	Final	EPA, 1992b
Cadmium	µg/L	5	Final	EPA, 1992a
Carbon tetrachloride	µg/L	5	Final	EPA, 1992a
Chlordane	µg/L	2	Final	EPA, 1992a
Chlorobenzene	µg/L	100	Final	EPA, 1992a
Chloroethene (Vinyl chloride)	µg/L	2	Final	EPA, 1992a
Chloroform	µg/L	100 ^a	Final	EPA, 1992a
Chromium	µg/L	100	Final	EPA, 1992a
Copper	µg/L	1,300	Final	EPA, 1992a
Cyanide	µg/L	200	Final	EPA, 1992b
Dibromochloromethane	µg/L	100 ^a	Final	EPA, 1992a
Dibromochloropropane	µg/L	0.2	Final	EPA, 1992a
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.05	Final	EPA, 1992a
1,2-Dichlorobenzene	µg/L	600	Final	EPA, 1992a
1,4-Dichlorobenzene	µg/L	75	Final	EPA, 1992a
1,2-Dichloroethane	µg/L	5	Final	EPA, 1992a
1,1-Dichloroethene	µg/L	7	Final	EPA, 1992a
1,2-Dichloroethene	µg/L	50	Final	EPA, 1992b
cis-1,2-Dichloroethene	µg/L	70	Final	EPA, 1992a
trans-1,2-Dichloroethene	µg/L	100	Final	EPA, 1992a
Dichloromethane (Methylene chloride)	µg/L	5	Final	EPA, 1992b
2,4-Dichlorophenoxyacetic acid	µg/L	70	Final	EPA, 1992a
1,2-Dichloropropane	µg/L	5	Final	EPA, 1992a
Endrin	µg/L	2	Final	EPA, 1992b
Ethylbenzene	µg/L	700	Final	EPA, 1992a
Fluoride	µg/L	4,000	Final	EPA, 1992a
Gross alpha ^b	pCi/L	1.5E + 01	Final	EPA, 1992a
Heptachlor	µg/L	0.4	Final	EPA, 1992a
Heptachlor epoxide	µg/L	0.2	Final	EPA, 1992a
Hexachlorobenzene	µg/L	1	Final	EPA, 1992b
Hexachlorocyclopentadiene	µg/L	50	Final	EPA, 1992b
Lead	µg/L	50	Final	SCDHEC, 1981
Lindane	µg/L	0.2	Final	EPA, 1992a
Mercury	µg/L	2	Final	EPA, 1992a
Methoxychlor	µg/L	40	Final	EPA, 1992a
Nickel	µg/L	100	Final	EPA, 1992b
Nitrate as nitrogen	µg/L	10,000	Final	EPA, 1992a
Nitrate-nitrite as nitrogen	µg/L	10,000	Final	EPA, 1992a
Nitrite as nitrogen	µg/L	1,000	Final	EPA, 1992a
Nonvolatile beta ^c	pCi/L	5E + 01	Final	EPA, 1977
PCBs ^d	µg/L	0.5	Final	EPA, 1992a
Pentachlorophenol	µg/L	1	Final	EPA, 1992a
Selenium	µg/L	50	Final	EPA, 1992a

<u>Analyte</u>	<u>Unit</u>	<u>Level</u>	<u>Status</u>	<u>Reference</u>
Strontium-89/90 ^a	pCi/L	8E+00	Final	EPA, 1992a
Strontium-90	pCi/L	8E+00	Final	EPA, 1992a
Styrene	μg/L	100	Final	EPA, 1992a
2,3,7,8-TCDD	μg/L	0.00003	Final	EPA, 1992b
Tetrachloroethylene	μg/L	5	Final	EPA, 1992a
Thallium	μg/L	2	Final	EPA, 1992b
Toluene	μg/L	1,000	Final	EPA, 1992a
Total radium (Radium-226 and -228)	pCi/L	5E+00	Final	EPA, 1992a
Total trihalomethanes	μg/L	100	Final	EPA, 1992a
Toxaphene	μg/L	3	Final	EPA, 1992a
2,4,5-TP (Silvex)	μg/L	50	Final	EPA, 1992a
1,2,4-Trichlorobenzene	μg/L	70	Final	EPA, 1992b
1,1,1-Trichloroethane	μg/L	200	Final	EPA, 1992a
1,1,2-Trichloroethane	μg/L	5	Final	EPA, 1992b
Trichloroethylene	μg/L	5	Final	EPA, 1992a
Tritium	pCi/mL	2E+01	Final	EPA, 1992a
Xylenes	μg/L	10,000	Final	EPA, 1992a

- ^a This value is the drinking water standard for total trihalomethanes (the sum of bromoform, bromodichloromethane, chloroform, and dibromochloromethane).
- ^b The standard given is for gross alpha including radium-226 but excluding radon and uranium.
- ^c This is the screening level above which providers of public drinking water should perform analyses for specific man-made radionuclides. The standard for the total dose equivalent from all such radionuclides is 4 mrem per year.
- ^d Analyses were conducted in 1992 for the following: PCB 1016, PCB 1221, PCB 1232, PCB 1242, PCB 1248, PCB 1254, and PCB 1260.
- ^e For double radionuclide analyses where each separate radionuclide has its own standard, the more stringent standard is used.

References

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EPA (U.S. Environmental Protection Agency), 1992a. *National Primary Drinking Water Regulations, Code of Federal Regulations*, Title 40, Part 141, pp. 589-729. Washington, DC.

EPA (U.S. Environmental Protection Agency), 1992b. *National Primary Drinking Water Regulations—Synthetic Organic Chemicals and Inorganic Chemicals; National Primary Drinking Water Regulations Implementation*. **Federal Register**, July 17, 1992, pp. 31776-31849. Washington, DC.

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

Appendix B – Flagging Criteria

Flagging Criteria

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

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

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

Analyte	Unit	Flag 1	Flag 2	Source ^a
Acenaphthene	µg/L	50	100	EPA Method 8270
Acenaphthylene	µg/L	50	100	EPA Method 8270
Acetone	µg/L	500	1,000	EPA Method 8240
Acetonitrile (Methyl cyanide)	µg/L	500	1,000	EPA Method 8240
Acetophenone	µg/L	50	100	EPA Method 8270
2-Acetylaminofluorene	µg/L	50	100	EPA Method 8270
Acrolein	µg/L	100	200	EPA Method 8240
Acrylonitrile	µg/L	100	200	EPA Method 8240
Actinium-228	pCi/L	1.64E+03	3.27E+03	Proposed PDWS (EPA, 1991)
Aldrin	µg/L	0.25	0.5	EPA Method 8080
Alkalinity (as CaCO ₃)		No flag	No flag	Set by EPD/EMS
Allyl chloride	µg/L	250	500	EPA Method 8240
Aluminum	µg/L	25	50	SDWS (EPA, 1992c)
Americium-241	pCi/L	3.17E+00	6.34E+00	Proposed PDWS (EPA, 1991)
Americium-243	pCi/L	3.19E+00	6.37E+00	Proposed PDWS (EPA, 1991)
4-Aminobiphenyl	µg/L	50	100	EPA Method 8270
Ammonia	µg/L	500	1,000	APHA Method 417B
Ammonia nitrogen	µg/L	500	1,000	EPA Method 350.1
Aniline	µg/L	50	100	EPA Method 8270
Anthracene	µg/L	50	100	EPA Method 8270
Antimony	µg/L	3	6	Final PDWS (EPA, 1992b)
Antimony-125	pCi/L	1.5E+02	3E+02	Final PDWS (EPA, 1977)
Aramite	µg/L	50	100	EPA Method 8270
Arsenic	µg/L	25	50	Final PDWS (EPA, 1992a)

Analyte	Unit	Flag 1	Flag 2	Source ^a
Asbestos	Fibers/L	3,500,000	7,000,000	Final PDWS (EPA, 1992a)
Azobenzene	µg/L	50	100	EPA Method 625
Barium	µg/L	1,000	2,000	Final PDWS (EPA, 1992a)
Barium-140	pCi/L	4.5E+01	9E+01	Final PDWS (EPA, 1977)
Benzene	µg/L	2.5	5	Final PDWS (EPA, 1992a)
alpha-Benzene hexachloride	µg/L	0.25	0.5	EPA Method 8080
beta-Benzene hexachloride	µg/L	0.25	0.5	EPA Method 8080
delta-Benzene hexachloride	µg/L	0.25	0.5	EPA Method 8080
Benzidine	µg/L	250	500	EPA Method 8270
Benzo[a]anthracene	µg/L	0.05	0.1	Proposed PDWS (EPA, 1990)
Benzo[b]fluoranthene	µg/L	0.1	0.2	Proposed PDWS (EPA, 1990)
Benzo[k]fluoranthene	µg/L	0.1	0.2	Proposed PDWS (EPA, 1990)
Benzoic acid	µg/L	250	500	EPA Method 8270
Benzo[g,h,i]perylene	µg/L	50	100	EPA Method 8270
Benzo[a]pyrene	µg/L	0.1	0.2	Final PDWS (EPA, 1992b)
1,4-Benzoquinone	µg/L	50	100	EPA Method 8270
Benzyl alcohol	µg/L	50	100	EPA Method 8270
Beryllium	µg/L	2	4	Final PDWS (EPA, 1992b)
Beryllium-7	pCi/L	3E+03	6E+03	Final PDWS (EPA, 1977)
Bis(2-chloroethoxy) methane	µg/L	50	100	EPA Method 8270
Bis(2-chloroethyl) ether	µg/L	50	100	EPA Method 8270
Bis(2-chloroisopropyl) ether	µg/L	50	100	EPA Method 8270
Bis(chloromethyl) ether	µg/L	50	100	EPA Method 8270
Bis(2-ethylhexyl) phthalate	µg/L	3	6	Final PDWS (EPA, 1992b)
Bromide	µg/L	5,000	10,000	EPA Method 300.0
Bromodichloromethane	µg/L	50	100	Final PDWS (EPA, 1992a)
Bromoform	µg/L	50	100	Final PDWS (EPA, 1992a)
Bromomethane (Methyl bromide)	µg/L	5	10	EPA Method 8240
4-Bromophenyl phenyl ether	µg/L	50	100	EPA Method 8270
2-sec-Butyl-4,6-dinitrophenol	µg/L	3.5	7	Final PDWS (EPA, 1992b)
Butylbenzyl phthalate		No flag	No flag	Set by EPD/EMS
Cadmium	µg/L	2.5	5	Final PDWS (EPA, 1992a)
Calcium		No flag	No flag	Set by EPD/EMS
Carbon disulfide	µg/L	5	10	EPA Method 8240
Carbon tetrachloride	µg/L	2.5	5	Final PDWS (EPA, 1992a)
Carbon-14	pCi/L	1E+03	2E+03	Final PDWS (EPA, 1977)
Carbonate		No flag	No flag	Set by EPD/EMS
Cerium-141	pCi/L	1.5E+02	3E+02	Final PDWS (EPA, 1977)
Cerium-144	pCi/L	1.31E+02	2.61E+02	Proposed PDWS (EPA, 1991)
Cesium-134 ^b	pCi/L	4.07E+01	8.13E+01	Proposed PDWS (EPA, 1991)
Cesium-137	pCi/L	1E+02	2E+02	Final PDWS (EPA, 1977)
Chlordane	µg/L	1	2	Final PDWS (EPA, 1992a)
Chloride	µg/L	125,000	250,000	SDWS (EPA, 1992c)
4-Chloroaniline	µg/L	50	100	EPA Method 8270
Chlorobenzene	µg/L	50	100	Final PDWS (EPA, 1992a)
Chlorobenzilate	µg/L	50	100	EPA Method 8270
Chloroethane	µg/L	5	10	EPA Method 8240
Chloroethene (Vinyl chloride)	µg/L	1	2	Final PDWS (EPA, 1992a)
Chloroethyl vinyl ether	µg/L	5	10	EPA Method 8240
2-Chloroethyl vinyl ether	µg/L	5	10	EPA Method 8240
Chloroform	µg/L	50	100	Final PDWS (EPA, 1992a)
4-Chloro-m-cresol	µg/L	50	100	EPA Method 8270
Chloromethane (Methyl chloride)	µg/L	5	10	EPA Method 8240
2-Chloronaphthalene	µg/L	50	100	EPA Method 8240
2-Chlorophenol	µg/L	50	100	EPA Method 8270

Analyte	Unit	Flag 1	Flag 2	Source ^a
4-Chlorophenyl phenyl ether	µg/L	50	100	EPA Method 8270
Chloroprene	µg/L	1,000	2,000	EPA Method 8240
Chromium	µg/L	50	100	Final PDWS (EPA, 1992a)
Chromium-51	pCi/L	3E+03	6E+03	Final PDWS (EPA, 1977)
Chrysene	µg/L	0.1	0.2	Proposed PDWS (EPA, 1990)
Cobalt	µg/L	20	40	EPA Method 6010
Cobalt-57	pCi/L	5E+02	1E+03	Final PDWS (EPA, 1977)
Cobalt-58	pCi/L	4.5E+03	9E+03	Final PDWS (EPA, 1977)
Cobalt-60	pCi/L	5E+01	1E+02	Final PDWS (EPA, 1977)
Color		No flag	No flag	Set by EPD/EMS
Copper	µg/L	650	1,300	Final PDWS (EPA, 1992a)
Corrosivity		No flag	No flag	Set by EPD/EMS
m-Cresol (3-Methylphenol)	µg/L	50	100	EPA Method 8270
o-Cresol (2-Methylphenol)	µg/L	50	100	EPA Method 8270
p-Cresol (4-Methylphenol)	µg/L	50	100	EPA Method 8270
Curium-242	pCi/L	6.65E+01	1.33E+02	Proposed PDWS (EPA, 1991)
Curium-243	pCi/L	4.15E+00	8.3E+00	Proposed PDWS (EPA, 1991)
Curium-243/244 ^c	pCi/L	4.15E+00	8.3E+00	Proposed PDWS (EPA, 1991)
Curium-244	pCi/L	4.92E+00	9.84E+00	Proposed PDWS (EPA, 1991)
Curium-245/246 ^c	pCi/L	3.12E+00	6.23E+00	Proposed PDWS (EPA, 1991)
Curium-246	pCi/L	3.14E+00	6.27E+00	Proposed PDWS (EPA, 1991)
Cyanide	µg/L	100	200	Final PDWS (EPA, 1992b)
p,p'-DDD	µg/L	0.5	1	EPA Method 8080
p,p'-DDE	µg/L	0.5	1	EPA Method 8080
p,p'-DDT	µg/L	0.5	1	EPA Method 8080
Di-n-butyl phthalate		No flag	No flag	Set by EPD/EMS
Di-n-octyl phthalate		No flag	No flag	Set by EPD/EMS
Diallate	µg/L	50	100	EPA Method 8270
Dibenz[a,h]anthracene	µg/L	0.15	0.3	Proposed PDWS (EPA, 1990)
Dibenzofuran	µg/L	50	100	EPA Method 8270
Dibromochloromethane	µg/L	50	100	Final PDWS (EPA, 1992a)
1,2-Dibromo-3-chloropropane	µg/L	0.1	0.2	Final PDWS (EPA, 1992a)
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.025	0.05	Final PDWS (EPA, 1992a)
Dibromomethane (Methylene bromide)	µg/L	5	10	EPA Method 8240
1,2-Dichlorobenzene	µg/L	300	600	Final PDWS (EPA, 1992a)
1,3-Dichlorobenzene	µg/L	50	100	EPA Method 8270
1,4-Dichlorobenzene	µg/L	37.5	75	Final PDWS (EPA, 1992a)
3,3'-Dichlorobenzidine	µg/L	50	100	EPA Method 8270
trans-1,4-Dichloro-2-butene	µg/L	150	300	EPA Method 8240
Dichlorodifluoromethane	µg/L	5	10	EPA Method 8240
1,1-Dichloroethane	µg/L	5	10	EPA Method 8240
1,2-Dichloroethane	µg/L	2.5	5	Final PDWS (EPA, 1992a)
1,1-Dichloroethene	µg/L	3.5	7	Final PDWS (EPA, 1992a)
1,2-Dichloroethene	µg/L	25	50	Final PDWS (EPA, 1992b)
cis-1,2-Dichloroethene	µg/L	35	70	Final PDWS (EPA, 1992a)
trans-1,2-Dichloroethene	µg/L	50	100	Final PDWS (EPA, 1992a)
Dichloromethane (Methylene chloride)	µg/L	2.5	5	Final PDWS (EPA, 1992b)
2,4-Dichlorophenol	µg/L	50	100	EPA Method 8270
2,6-Dichlorophenol	µg/L	50	100	EPA Method 8270
2,4-Dichlorophenoxyacetic acid	µg/L	35	70	Final PDWS (EPA, 1992a)
1,2-Dichloropropane	µg/L	2.5	5	Final PDWS (EPA, 1992a)
cis-1,3-Dichloropropene	µg/L	5	10	EPA Method 8240

Analyte	Unit	Flag 1	Flag 2	Source ^a
trans-1,3-Dichloropropene	µg/L	5	10	EPA Method 8240
Dieldrin	µg/L	2.5	5	EPA Method 8080
Diethyl phthalate		No flag	No flag	Set by EPD/EMS
Dimethoate	µg/L	50	100	EPA Method 8270
p-Dimethylaminoazobenzene	µg/L	50	100	EPA Method 8270
p-(Dimethylamino)ethylbenzene	µg/L	50	100	EPA Method 8270
7,12-Dimethylbenz[a]anthracene	µg/L	50	100	EPA Method 8270
3,3'-Dimethylbenzidine	µg/L	50	100	EPA Method 8270
a,a-Dimethylphenethylamine	µg/L	50	100	EPA Method 8270
2,4-Dimethyl phenol	µg/L	50	100	EPA Method 8270
Dimethyl phthalate		No flag	No flag	Set by EPD/EMS
1,3-Dinitrobenzene	µg/L	50	100	EPA Method 8270
2,4-Dinitrophenol	µg/L	250	500	EPA Method 8270
2,4-Dinitrotoluene	µg/L	50	100	EPA Method 8270
2,6-Dinitrotoluene	µg/L	50	100	EPA Method 8270
1,4-Dioxane	µg/L	50	100	EPA Method 8270
Diphenylamine	µg/L	50	100	EPA Method 8270
1,2-Diphenylhydrazine	µg/L	50	100	EPA Method 8270
Dissolved organic carbon	µg/L	5,000	10,000	EPA Method 9060
Disulfoton	µg/L	50	100	EPA Method 8270
Eh		No flag	No flag	Set by EPD/EMS
alpha-Endosulfan	µg/L	50	100	EPA Method 8270
beta-Endosulfan	µg/L	50	100	EPA Method 8270
Endosulfan I	µg/L	0.5	1	EPA Method 8080
Endosulfan II	µg/L	0.5	1	EPA Method 8080
Endosulfan sulfate	µg/L	0.5	1	EPA Method 8080
Endrin	µg/L	1	2	Final PDWS (EPA, 1992b)
Endrin aldehyde	µg/L	0.5	1	EPA Method 8080
Endrin ketone		No flag	No flag	Set by EPD/EMS
Ethylbenzene	µg/L	350	700	Final PDWS (EPA, 1992a)
Ethyl methacrylate	µg/L	50	100	EPA Method 8270
Ethyl methanesulfonate	µg/L	50	100	EPA Method 8270
Europium-152	pCi/L	3E+01	6E+01	Final PDWS (EPA, 1977)
Europium-154	pCi/L	1E+02	2E+02	Final PDWS (EPA, 1977)
Europium-155	pCi/L	3E+02	6E+02	Final PDWS (EPA, 1977)
Famphur	µg/L	50	100	EPA Method 8270
Fluoranthene	µg/L	50	100	EPA Method 8270
Fluorene	µg/L	50	100	EPA Method 8270
Fluoride	µg/L	2,000	4,000	Final PDWS (EPA, 1992a)
Gross alpha	pCi/L	7.5E+00	1.5E+01	Final PDWS (EPA, 1992a)
Heptachlor	µg/L	0.2	0.4	Final PDWS (EPA, 1992a)
Heptachlor epoxide	µg/L	0.1	0.2	Final PDWS (EPA, 1992a)
Heptachlorodibenzo-p-dioxin isomers	µg/L	0.00325	0.0065	EPA Method 8280
1,2,3,4,6,7,8-HPCDD	µg/L	0.00325	0.0065	EPA Method 8280
Heptachlorodibenzo-p-furan isomers	µg/L	0.00225	0.0045	EPA Method 8280
1,2,3,4,6,7,8-HPCDF	µg/L	0.00225	0.0045	EPA Method 8280
Hexachlorobenzene	µg/L	0.5	1	Final PDWS (EPA, 1992b)
Hexachlorobutadiene	µg/L	50	100	EPA Method 8270
Hexachlorocyclopentadiene	µg/L	25	50	Final PDWS (EPA, 1992b)
Hexachlorodibenzo-p-dioxin isomers	µg/L	0.00225	0.0045	EPA Method 8280
1,2,3,4,7,8-HXCDD	µg/L	0.00225	0.0045	EPA Method 8280
Hexachlorodibenzo-p-furan isomers	µg/L	0.002	0.004	EPA Method 8280
1,2,3,4,7,8-HXCDF	µg/L	0.002	0.004	EPA Method 8280

Analyte	Unit	Flag 1	Flag 2	Source ^a
Hexachloroethane	µg/L	50	100	EPA Method 8270
Hexachlorophene	µg/L	250	500	EPA Method 8270
Hexachloropropene	µg/L	50	100	EPA Method 8270
2-Hexanone	µg/L	50	100	EPA Method 8240
Indeno[1,2,3- <i>c,d</i>]pyrene	µg/L	50	100	EPA Method 8270
Iodine	µg/L	250	500	APHA Method 415A
Iodine-129	pCi/L	5E-01	1E+00	Final PDWS (EPA, 1977)
Iodine-131	pCi/L	1.5E+00	3E+00	Final PDWS (EPA, 1977)
Iodomethane (Methyl iodide)	µg/L	75	150	EPA Method 8240
Iron	µg/L	150	300	SDWS (EPA, 1992c)
Iron-55	pCi/L	1E+03	2E+03	Final PDWS (EPA, 1977)
Iron-59	pCi/L	1E+02	2E+02	Final PDWS (EPA, 1977)
Isobutyl alcohol	µg/L	500	1,000	EPA Method 8240
Isodrin	µg/L	50	100	EPA Method 8270
Isophorone	µg/L	50	100	EPA Method 8270
Isosafrole	µg/L	50	100	EPA Method 8270
Kepone	µg/L	50	100	EPA Method 8270
Lanthanum-140	pCi/L	3E+01	6E+01	Final PDWS (EPA, 1977)
Lead	µg/L	7.5	15	Final PDWS (EPA, 1992a)
Lindane	µg/L	0.1	0.2	Final PDWS (EPA, 1992a)
Lithium	µg/L	25	50	EPA Method 6010
Magnesium		No flag	No flag	Set by EPD/EMS
Manganese	µg/L	25	50	SDWS (EPA, 1992c)
Manganese-54	pCi/L	1.5E+02	3E+02	Final PDWS (EPA, 1977)
Mercury	µg/L	1	2	Final PDWS (EPA, 1992a)
Methacrylonitrile	µg/L	250	500	EPA Method 8240
Methapyrilene	µg/L	50	100	EPA Method 8270
Methoxychlor	µg/L	20	40	Final PDWS (EPA, 1992a)
3-Methylcholanthrene	µg/L	50	100	EPA Method 8270
2-Methyl-4,6-dinitrophenol	µg/L	250	500	EPA Method 8270
Methyl ethyl ketone		No flag	No flag	Set by EPD/EMS
Methyl isobutyl ketone		No flag	No flag	Set by EPD/EMS
Methyl methacrylate	µg/L	50	100	EPA Method 8270
Methyl methanesulfonate	µg/L	50	100	EPA Method 8270
2-Methylnaphthalene	µg/L	50	100	EPA Method 8270
Molybdenum	µg/L	250	500	EPA Method 6010
Naphthalene	µg/L	50	100	EPA Method 8270
1,4-Naphthoquinone	µg/L	50	100	EPA Method 8270
1-Naphthylamine	µg/L	50	100	EPA Method 8270
2-Naphthylamine	µg/L	50	100	EPA Method 8270
Neptunium-237	pCi/L	3.53E+00	7.06E+00	Proposed PDWS (EPA, 1991)
Nickel	µg/L	50	100	Final PDWS (EPA, 1992b)
Nickel-59	pCi/L	1.5E+02	3E+02	Final PDWS (EPA, 1977)
Nickel-63	pCi/L	2.5E+01	5E+01	Final PDWS (EPA, 1977)
Niobium-95	pCi/L	1.5E+02	3.E+02	Final PDWS (EPA, 1977)
Nitrate as nitrogen	µg/L	5,000	10,000	Final PDWS (EPA, 1992a)
Nitrate-nitrite as nitrogen	µg/L	5,000	10,000	Final PDWS (EPA, 1992a)
Nitrite as nitrogen	µg/L	500	1,000	Final PDWS (EPA, 1992a)
2-Nitroaniline	µg/L	50	100	EPA Method 8270
3-Nitroaniline	µg/L	50	100	EPA Method 8270
4-Nitroaniline	µg/L	50	100	EPA Method 8270
Nitrobenzene	µg/L	50	100	EPA Method 8270
Nitrogen by Kjeldahl method	µg/L	500	1,000	EPA Method 351.2
2-Nitrophenol	µg/L	50	100	EPA Method 8270
4-Nitrophenol	µg/L	50	100	EPA Method 8270

Analyte	Unit	Flag 1	Flag 2	Source ^a
4-Nitroquinoline-1-oxide	µg/L	50	100	EPA Method 8270
N-Nitrosodi-n-butylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodiethylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodimethylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodiphenylamine	µg/L	50	100	EPA Method 8270
N-Nitrosodipropylamine	µg/L	50	100	EPA Method 8270
N-Nitrosomethylethylamine	µg/L	50	100	EPA Method 8270
N-Nitrosomorpholine	µg/L	50	100	EPA Method 8270
N-Nitrosopiperidine	µg/L	50	100	EPA Method 8270
N-Nitrosopyrrolidine	µg/L	50	100	EPA Method 8270
5-Nitro-o-toluidine	µg/L	50	100	EPA Method 8270
Nonvolatile beta	pCi/L	2.5E+01	5E+01	Proposed PDWS (EPA, 1986)
Octachlorodibenzo-p-dioxin isomers	µg/L	0.005	0.01	EPA Method 8280
Octachlorodibenzo-p-furan isomers	µg/L	0.005	0.01	EPA Method 8280
Odor		No flag	No flag	Set by EPD/EMS
Oil & Grease	µg/L	5,000	10,000	EPA Method 413.1
Parathion	µg/L	0.25	0.5	EPA Method 8080
Parathion methyl	µg/L	0.25	0.5	EPA Method 8080
PCB 1016	µg/L	0.25	0.5	Final PDWS (EPA, 1992a)
PCB 1221	µg/L	0.25	0.5	Final PDWS (EPA, 1992a)
PCB 1232	µg/L	0.25	0.5	Final PDWS (EPA, 1992a)
PCB 1242	µg/L	0.25	0.5	Final PDWS (EPA, 1992a)
PCB 1248	µg/L	0.25	0.5	Final PDWS (EPA, 1992a)
PCB 1254	µg/L	0.25	0.5	Final PDWS (EPA, 1992a)
PCB 1260	µg/L	0.25	0.5	Final PDWS (EPA, 1992a)
PCB 1262	µg/L	0.25	0.5	Final PDWS (EPA, 1992a)
Pentachlorobenzene	µg/L	50	100	EPA Method 8270
Pentachlorodibenzo-p-dioxin isomers	µg/L	0.00275	0.0055	EPA Method 8280
1,2,3,7,8-PCDD	µg/L	0.00275	0.0055	EPA Method 8280
Pentachlorodibenzo-p-furan isomers	µg/L	0.00275	0.0055	EPA Method 8280
1,2,3,7,8-PCDF	µg/L	0.00275	0.0055	EPA Method 8280
Pentachloroethane	µg/L	50	100	EPA Method 8270
Pentachloronitrobenzene	µg/L	50	100	EPA Method 8270
Pentachlorophenol	µg/L	0.5	1	Final PDWS (EPA, 1992a)
pH	pH	8	10	Set by EPD/EMS
pH	pH	4	3	Set by EPD/EMS
Phenacetin	µg/L	50	100	EPA Method 8270
Phenanthrene	µg/L	50	100	EPA Method 8270
Phenol	µg/L	50	100	EPA Method 8270
Phenols	µg/L	25	50	EPA Method 420.1
p-Phenylenediamine	µg/L	50	100	EPA Method 8270
Phorate	µg/L	0.5	1	EPA Method 8080
2-Picoline	µg/L	50	100	EPA Method 8270
Plutonium-238	pCi/L	3.51E+00	7.02E+00	Proposed PDWS (EPA, 1991)
Plutonium-239	pCi/L	3.11E+01	6.21E+01	Proposed PDWS (EPA, 1991)
Plutonium-239/240 ^c	pCi/L	3.11E+01	6.21E+01	Proposed PDWS (EPA, 1991)
Plutonium-240	pCi/L	3.11E+01	6.22E+01	Proposed PDWS (EPA, 1991)
Plutonium-241	pCi/L	3.13E+01	6.26E+01	Proposed PDWS (EPA, 1991)
Plutonium-242	pCi/L	3.27E+01	6.54E+01	Proposed PDWS (EPA, 1991)
Potassium		No flag	No flag	Set by EPD/EMS
Potassium-40	pCi/L	1.5E+02	3E+02	Proposed PDWS (EPA, 1986)
Pronamid	µg/L	50	100	EPA Method 8270
Propionitrile	µg/L	1,000	2,000	EPA Method 8240
Pyrene	µg/L	50	100	EPA Method 8270
Pyridine	µg/L	50	100	EPA Method 8270

Analyte	Unit	Flag 1	Flag 2	Source ^a
Radium (alpha-emitting) ^d	pCi/L	1E+01	2E+01	Proposed PDWS (EPA, 1991)
Radium-226	pCi/L	1E+01	2E+01	Proposed PDWS (EPA, 1991)
Radium-228	pCi/L	1E+01	2E+01	Proposed PDWS (EPA, 1991)
Radon-222	pCi/L	1.5E+02	3E+02	Proposed PDWS (EPA, 1991)
Ruthenium-103	pCi/L	1E+02	2E+02	Final PDWS (EPA, 1977)
Ruthenium-106	pCi/L	1.5E+01	3E+01	Final PDWS (EPA, 1977)
Safrole	µg/L	50	100	EPA Method 8270
Selenium	µg/L	25	50	Final PDWS (EPA, 1992a)
Silica		No flag	No flag	Set by EPD/EMS
Total silica	µg/L	500	1,000	EPA Method 6010
Silver	µg/L	50	100	SDWS (EPA, 1992c)
Sodium		No flag	No flag	Set by EPD/EMS
Sodium-22	pCi/L	2.33E+02	4.66E+02	Proposed PDWS (EPA, 1991)
Specific conductance	µS/cm	250	500	Set by EPD/EMS
Strontium-89	pCi/L	1E+01	2E+01	Final PDWS (EPA, 1977)
Strontium-89/90 ^e	pCi/L	4E+00	8E+00	Final PDWS (EPA, 1992a)
Strontium-90	pCi/L	4E+00	8E+00	Final PDWS (EPA, 1992a)
Styrene	µg/L	50	100	Final PDWS (EPA, 1992a)
Sulfate	µg/L	200,000	400,000	Proposed PDWS (EPA, 1990)
Sulfide	µg/L	5,000	10,000	EPA Method 9030
Sulfotep	µg/L	50	100	EPA Method 8270
Surfactants		No flag	No flag	Set by EPD/EMS
2,3,7,8-TCDD	µg/L	0.000015	0.00003	Final PDWS (EPA, 1992b)
2,3,7,8-TCDF	µg/L	0.002	0.004	EPA Method 8280
Technetium-99	pCi/L	4.5E+02	9E+02	Final PDWS (EPA, 1977)
1,2,4,5-Tetrachlorobenzene	µg/L	50	100	EPA Method 8270
Tetrachlorodibenzo-p-dioxin isomers	µg/L	0.00225	0.0045	EPA Method 8280
Tetrachlorodibenzo-p-furan isomers	µg/L	0.002	0.004	EPA Method 8280
1,1,1,2-Tetrachloroethane	µg/L	5	10	EPA Method 8240
1,1,2,2-Tetrachloroethane	µg/L	5	10	EPA Method 8240
Tetrachloroethylene	µg/L	2.5	5	Final PDWS (EPA, 1992a)
2,3,4,6-Tetrachlorophenol	µg/L	50	100	EPA Method 8270
Tetraethyl dithiopyrophosphate	µg/L	50	100	EPA Method 8270
Thallium	µg/L	1	2	Final PDWS (EPA, 1992b)
Thionazin	µg/L	50	100	EPA Method 8270
Thorium-228	pCi/L	6.25E+01	1.25E+02	Proposed PDWS (EPA, 1991)
Thorium-230	pCi/L	3.96E+01	7.92E+01	Proposed PDWS (EPA, 1991)
Thorium-232	pCi/L	4.4E+01	8.8E+01	Proposed PDWS (EPA, 1991)
Thorium-234	pCi/L	2E+02	4.01E+02	Proposed PDWS (EPA, 1991)
Tin	µg/L	10	20	EPA Method 282.2
Tin-113	pCi/L	1.5E+02	3E+02	Final PDWS (EPA, 1977)
Toluene	µg/L	500	1,000	Final PDWS (EPA, 1992a)
o-Toluidine	µg/L	50	100	EPA Method 8270
Total carbon	µg/L	5,000	10,000	EPA Method 9060
Total dissolved solids		No flag	No flag	Set by EPD/EMS
Total hydrocarbons	µg/L	5,000	10,000	EPA Method 418.1
Total inorganic carbon	µg/L	5,000	10,000	EPA Method 9060
Total organic carbon	µg/L	5,000	10,000	EPA Method 9060
Total organic halogens	µg/L	25	50	EPA Method 9020
Total organic nitrogen	µg/L	500	1,000	APHA Method 420
Total petroleum hydrocarbons	µg/L	5,000	10,000	EPA Method 418.1
Total phosphates (as P)		No flag	No flag	Set by EPD/EMS
Total phosphorus		No flag	No flag	Set by EPD/EMS

Analyte	Unit	Flag 1	Flag 2	Source ^a
Toxaphene	µg/L	1.5	3	Final PDWS (EPA, 1992a)
2,4,5-TP (Silvex)	µg/L	25	50	Final PDWS (EPA, 1992a)
Tributyl phosphate	µg/L	50	100	EPA Method 8270
1,2,4-Trichlorobenzene	µg/L	35	70	Final PDWS (EPA, 1992b)
1,1,1-Trichloroethane	µg/L	100	200	Final PDWS (EPA, 1992a)
1,1,2-Trichloroethane	µg/L	2.5	5	Final PDWS (EPA, 1992b)
Trichloroethylene	µg/L	2.5	5	Final PDWS (EPA, 1992a)
Trichlorofluoromethane	µg/L	5	10	EPA Method 8240
2,4,5-Trichlorophenol	µg/L	50	100	EPA Method 8270
2,4,6-Trichlorophenol	µg/L	50	100	EPA Method 8270
2,4,5-Trichlorophenoxyacetic acid	µg/L	2.5	5	EPA Method 8150
1,2,3-Trichloropropane	µg/L	5	10	EPA Method 8240
O,O,O-Triethyl phosphorothioate	µg/L	50	100	EPA Method 8270
1,3,5-Trinitrobenzene	µg/L	50	100	EPA Method 8270
Tritium	pCi/mL	1E+01	2E+01	Final PDWS (EPA, 1992a)
Turbidity		No flag	No flag	Set by EPD/EMS
Uranium	µg/L	10	20	Proposed PDWS (EPA, 1991)
Uranium alpha activity	pCi/L	1.5E+01	3E+01	Proposed PDWS (EPA, 1991)
Uranium-233/234 ^c	pCi/L	6.9E+00	1.38E+01	Proposed PDWS (EPA, 1991)
Uranium-234	pCi/L	6.95E+00	1.39E+01	Proposed PDWS (EPA, 1991)
Uranium-235	pCi/L	7.25E+00	1.45E+01	Proposed PDWS (EPA, 1991)
Uranium-238	pCi/L	7.3E+00	1.46E+01	Proposed PDWS (EPA, 1991)
Vanadium	µg/L	40	80	EPA Method 6010
Vinyl acetate	µg/L	5	10	EPA Method 8240
Xylenes	µg/L	5,000	10,000	Final PDWS (EPA, 1992a)
Zinc	µg/L	2,500	5,000	SDWS (EPA, 1992c)
Zinc-65	pCi/L	1.5E+02	3E+02	Final PDWS (EPA, 1977)
Zirconium-95	pCi/L	1E+02	2E+02	Final PDWS (EPA, 1977)
Zirconium/Niobium-95 ^d	pCi/L	1E+02	2E+02	Final PDWS (EPA, 1977)

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

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

^c When radionuclide analyses are combined, the lower PDWS of the two isotopes is used for flagging.

^d The applied standard is for radium-226.

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