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THIRD QUARTER 1993

SANITARY LANDFILL GROUNDWATER MONITORING REPORT (U)

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Third Quarter 1993 Data Review

This report contains analytical data for samples taken during third quarter 1993 from wells of the LFW series located at the Sanitary Landfill at the Savannah River Site (SRS). 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 Standard 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	Water table

FIELD MEASUREMENTS

Sample date: 06/15/93
 Depth to water: 15.34 ft (4.68 m) below TOC
 Water elevation: 156.36 ft (47.66 m) msl
 Sp. conductance: 116 μ S/cm
 Water evacuated before sampling: 140 gal

Time: 14:43
 pH: 5.0
 Alkalinity: 0 mg/L
 Water temperature: 18.8 °C
 Volumes purged: 14.0 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	5.2	J	pH	0	WA
•		pH	5.2	J	pH	0	WA
•		Specific conductance	99	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	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	32		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	6,830		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	2,450	J1	μ g/L	0	WA
		Chloride	2,460	J1	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	6.7		μ g/L	0	WA
		Dibromochloromethane	<5.0		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		Endrin	<0.11		μ g/L	0	WA
		Ethylbenzene	<5.0		μ g/L	0	WA
		Fluoride	<100		μ g/L	0	WA

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

WELL LFW 6 collected on 06/15/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Fluoride	<100		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	2,610	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	4,550		µg/L	0	WA
		Manganese	40		µg/L	1	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	6.3	J3	µg/L	0	WA
		Nitrate as nitrogen	7,450	V	µg/L	1	WA
		Phenols	<5.0		µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Potassium	929		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	5,540		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	1,450	V	µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	3,910		µg/L	0	WA
		Sulfate	3,860		µg/L	0	WA
		Tetrachloroethylene	<5.0		µg/L	0	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	138,000		µg/L	0	WA
		Total organic carbon	3,800		µg/L	0	WA
		Total organic halogens	6.2		µg/L	0	WA
		Total organic halogens	6.9		µg/L	0	WA
		Toxaphene	<1.1		µg/L	0	WA
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichlorofluoromethane	<5.0		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
		1,1-Dichloroethane	<5.0		µg/L	0	WA
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	WA
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.54		µg/L	0	WA

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

WELL LFW 8

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

FIELD MEASUREMENTS

Sample date: 06/14/93
 Depth to water: 19.05 ft (5.81 m) below TOC
 Water elevation: 151.45 ft (46.16 m) msl
 Sp. conductance: 466 μ S/cm
 Water evacuated before sampling: 135 gal

Time: 13:22
 pH: 6.9
 Alkalinity: 91 mg/L
 Water temperature: 18.1 °C
 Volumes purged: 17.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	6.2	J	pH	0	WA
•		Specific conductance	304	J	μ S/cm	1	WA
		cis-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	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	16		μ g/L	0	WA
		Barium	6.8		μ g/L	0	WA
		Benzene	3.7	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	6,730		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	27,000		μ g/L	0	WA
		Chlorobenzene	43		μ g/L	0	WA
		Chloroethane	12		μ g/L	2	WA
■		Chloroethene (Vinyl chloride)	143		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
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
■		Dichloromethane (Methylene chloride)	6.2	V	μ g/L	2	WA
		Endrin	<0.11		μ g/L	0	WA
		Endrin	<0.23		μ g/L	0	WA
		Ethylbenzene	8.5		μ g/L	0	WA
		Fluoride	191		μ g/L	0	WA
		Fluoride	192		μ g/L	0	WA

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

WELL LFW 8 collected on 06/14/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	60,300		µg/L	2	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.057		µg/L	0	WA
		Lindane	< 0.11		µg/L	0	WA
		Magnesium	14,900		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	< 0.57		µg/L	0	WA
		Methoxychlor	< 1.1		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	88		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	1,700		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	5,970		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	22,800	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	193,000	V	µg/L	0	WA
		Total organic carbon	6,290		µg/L	1	WA
		Total organic halogens	461		µg/L	2	WA
		Toxaphene	< 1.1		µg/L	0	WA
		Toxaphene	< 2.3		µg/L	0	WA
		Toxaphene	< 2.3		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	21		µg/L	0	WA
		1,1-Dichloroethane	56		µg/L	2	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	2.7	J	µg/L	1	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.56		µg/L	0	WA
		Gross alpha	5.3E + 00 ± 2.2E + 00		pCi/L	0	TM
		Gross alpha	8.5E + 00 ± 2.7E + 00		pCi/L	1	TM

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

WELL LFW 8 collected on 06/14/93, 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>
		Nonvolatile beta	2.0E+01 ± 3.5E+00		pCi/L	0	TM
		Nonvolatile beta	2.1E+01 ± 3.5E+00		pCi/L	0	TM
		Radium-226	3.2E+00 ± 6.3E-01		pCi/L	0	TM
		Radium-226	3.1E+00 ± 6.0E-01		pCi/L	0	TM
		Radium-228	8.2E+00 ± 1.6E+00		pCi/L	0	TM
		Radium-228	9.2E+00 ± 1.9E+00		pCi/L	0	TM
		Tritium	9.4E+00 ± 7.0E-01		pCi/mL	0	TM
		Tritium	9.4E+00 ± 7.0E-01		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	33.287315 °N	159.2-129.2 ft msl	175.5 ft msl	4" PVC	S	Water table
E45935.6	81.709731 °W					

FIELD MEASUREMENTS

Sample date: 06/15/93
 Depth to water: 21.33 ft (6.50 m) below TOC
 Water elevation: 154.17 ft (46.99 m) msl
 Sp. conductance: 558 µS/cm
 Water evacuated before sampling: 98 gal

Time: 15:36
 pH: 6.1
 Alkalinity: 195 mg/L
 Water temperature: 19.6 °C
 Volumes purged: 6.0 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	6.0	J	pH	0	WA
•		Specific conductance	499	J	µS/cm	1	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		µg/L	0	WA
		Acetone	1,140	L	µg/L	2	WA
		Acetone	875		µg/L	1	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	8.7		µg/L	0	WA
		Arsenic	7.7		µg/L	0	WA
		Barium	13		µg/L	0	WA
		Barium	13		µg/L	0	WA
■		Benzene	7.8		µg/L	2	WA
		Bromodichloromethane	<5.0		µg/L	0	WA
		Bromoform	<5.0		µg/L	C	WA
		Bromomethane (Methyl bromide)	<10		µg/L	0	WA
		Cadmium	<2.0		µg/L	0	WA
		Cadmium	<2.0		µg/L	0	WA
		Calcium	17,800		µg/L	0	WA
		Calcium	17,800		µg/L	0	WA
		Carbon disulfide	<5.0		µg/L	0	WA
		Carbon tetrachloride	<5.0		µg/L	0	WA

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

WELL LFW 10A collected on 06/15/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Chloride	24,000		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
		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
		Dibromomethane (Methylene bromide)	<10		µg/L	0	WA
		Dichlorodifluoromethane	47		µg/L	2	WA
■		Dichloromethane (Methylene chloride)	354	L	µg/L	2	WA
■		Dichloromethane (Methylene chloride)	344		µg/L	2	WA
		Endrin	<0.11		µg/L	0	WA
		Endrin	<0.22		µg/L	0	WA
		Ethylbenzene	45		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	87,000		µg/L	2	WA
		Iron	87,100		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	<0.11		µg/L	0	WA
		Magnesium	17,100		µg/L	0	WA
		Magnesium	17,200		µg/L	0	WA
		Manganese	21		µg/L	0	WA
		Manganese	21		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	<0.55		µg/L	0	WA
		Methoxychlor	<1.1		µg/L	0	WA
		Methoxychlor	<1.1		µg/L	0	WA
		Methyl ethyl ketone	683	L	µg/L	0	WA
		Methyl ethyl ketone	647		µg/L	0	WA
		Methyl isobutyl ketone	254	L	µg/L	0	WA
		Methyl isobutyl ketone	169		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	314	V	µg/L	0	WA
		Phenols	145		µg/L	2	WA
		Potassium	613	J3	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	8,860		µg/L	0	WA
		Silica	8,840		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	34,400	V	µg/L	0	WA

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

WELL LFW 10A collected on 06/15/93, 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
		Sulfate	2,230		µg/L	0	WA
■		Tetrachloroethylene	71		µg/L	2	WA
		Toluene	100		µg/L	0	WA
		Total dissolved solids	365,000		µg/L	0	WA
		Total organic carbon	75,500		µg/L	2	WA
		Total organic halogens	1,800		µg/L	2	WA
		Total organic halogens	1,600		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
■		Trichloroethylene	37		µg/L	2	WA
		Trichlorofluoromethane	25		µg/L	2	WA
		Vanadium	<3.0		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	97		µg/L	0	WA
		1,1-Dichloroethane	221	L	µg/L	2	WA
		1,1-Dichloroethane	197		µg/L	2	WA
		1,1-Dichloroethylene	5.1		µg/L	1	WA
		1,1,1-Trichloroethane	15		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	WA
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,2-Dichloropropane	1.9	J	µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.54		µg/L	0	WA
		Gross alpha	3.7E+00 ± 2.1E+00		pCi/L	0	TM
		Gross alpha	3.5E+00 ± 2.1E+00		pCi/L	0	TM
		Nonvolatile beta	7.8E+00 ± 2.6E+00		pCi/L	0	TM
		Nonvolatile beta	9.9E+00 ± 2.8E+00		pCi/L	0	TM
		Radium-226	1.7E+00 ± 8.1E-01		pCi/L	0	TM
		Radium-226	1.3E+00 ± 4.8E-01		pCi/L	0	TM
		Radium-228	6.6E+00 ± 3.5E+00		pCi/L	0	TM
		Radium-228	4.9E+00 ± 2.4E+00		pCi/L	0	TM
		Total activity	4.0E+04 ± 2.0E+03		pCi/L	0	EM
■		Tritium	4.6E+01 ± 1.5E+00		pCi/mL	2	TM
■		Tritium	4.5E+01 ± 1.5E+00		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	Water table
E45852.6	81.710687 °W					

FIELD MEASUREMENTS

Sample date: 06/16/93
 Depth to water: 21.69 ft (6.61 m) below TOC
 Water elevation: 157.11 ft (47.89 m) msl
 Sp. conductance: 35 μ S/cm
 Water evacuated before sampling: 264 gal

Time: 14:34
 pH: 4.7
 Alkalinity: 0 mg/L
 Water temperature: 20.0 °C
 Volumes purged: 15.5 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.1	J	pH	0	WA
•		Specific conductance	29	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	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	7.7		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	1,200		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	2,290		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
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		Dichlorodifluoromethane	7.7	J	μ g/L	1	WA
■		Dichloromethane (Methylene chloride)	27		μ g/L	2	WA
		Endrin	<0.11		μ g/L	0	WA
		Ethylbenzene	<5.0		μ g/L	0	WA
		Fluoride	<100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	<10		μ g/L	0	WA
		Iron	412		μ g/L	2	WA

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

WELL LFW 16 collected on 06/16/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.053		µg/L	0	WA
		Magnesium	1,410		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	552	V	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	9,220		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	1,390	V	µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		Tetrachloroethylene	3.6	J	µg/L	1	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	60,000	V	µg/L	0	WA
		Total dissolved solids	60,000	V	µg/L	0	WA
		Total organic carbon	<1,000		µg/L	0	WA
		Total organic halogens	202		µg/L	2	WA
		Toxaphene	<1.1		µg/L	0	WA
■		Trichloroethylene	11		µg/L	2	WA
		Trichlorofluoromethane	3.3	J	µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	5.8		µg/L	0	WA
		1,1-Dichloroethane	45		µg/L	2	WA
		1,1-Dichloroethylene	1.3	J	µg/L	0	WA
		1,1,1-Trichloroethane	3.1	J	µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	WA
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.52		µg/L	0	WA
		Gross alpha	3.9E+00 ± 1.8E+00		pCi/L	0	TM
		Nonvolatile beta	6.4E+00 ± 2.2E+00		pCi/L	0	TM
■		Tritium	3.4E+01 ± 1.3E+00		pCi/mL	2	TM

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

WELL LFW 17

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

FIELD MEASUREMENTS

Sample date: 06/15/93
 Depth to water: 21.27 ft (6.48 m) below TOC
 Water elevation: 156.53 ft (47.71 m) msl
 Sp. conductance: 348 μ S/cm
 Water evacuated before sampling: 143 gal

Time: 16:07
 pH: 6.3
 Alkalinity: 121 mg/L
 Water temperature: 19.6 °C
 Volumes purged: 7.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	6.1	J	pH	0	WA
•		Specific conductance	265	J	μ S/cm	1	WA
		cis-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	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	14		μ g/L	0	WA
		Barium	6.3		μ g/L	0	WA
		Benzene	5.0	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	6,880		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	28,000		μ g/L	0	WA
■		Chlorobenzene	170		μ g/L	2	WA
		Chloroethane	5.6	J	μ g/L	1	WA
		Chloroethene (Vinyl chloride)	1.2	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
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		Dichlorodifluoromethane	< 10		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		μ g/L	0	WA
		Endrin	< 0.22		μ g/L	0	WA
		Ethylbenzene	33		μ g/L	0	WA
		Fluoride	< 100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	< 10		μ g/L	0	WA
		Iron	25,800	V	μ g/L	2	WA

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

WELL LFW 17 collected on 06/15/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.11		µg/L	0	WA
		Magnesium	11,300		µg/L	0	WA
		Manganese	16		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	6.6	J3	µg/L	0	WA
		Nitrate as nitrogen	< 20		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	1,710		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	6,380		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	23,800	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	1,460		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	175,000		µg/L	0	WA
		Total organic carbon	7,410		µg/L	1	WA
		Total organic halogens	350		µg/L	2	WA
		Toxaphene	< 2.2		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	82		µg/L	0	WA
		1,1-Dichloroethane	20		µg/L	2	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	4.4	J	µg/L	1	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 2.2		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.54		µg/L	0	WA
		2,4,5-TP (Silvex)	< 1.1		µg/L	0	WA

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

WELL LFW 18

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

FIELD MEASUREMENTS

Sample date: 06/15/93
 Depth to water: 18.45 ft (5.62 m) below TOC
 Water elevation: 156.55 ft (47.72 m) msl
 Sp. conductance: 234 µS/cm
 Water evacuated before sampling: 81 gal

Time: 16:34
 pH: 6.4
 Alkalinity: 95 mg/L
 Water temperature: 19.1 °C
 Volumes purged: 4.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	6.0	J	pH	0	WA
•		Specific conductance	141	J	µS/cm	0	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		µg/L	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	18		µg/L	0	WA
		Barium	5.8		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	4,050		µg/L	0	WA
		Carbon disulfide	<5.0		µg/L	0	WA
		Carbon tetrachloride	<5.0		µg/L	0	WA
		Chloride	9,670		µg/L	0	WA
		Chlorobenzene	2.5	J	µg/L	0	WA
		Chloroethane	3.4	J	µg/L	0	WA
		Chloroethene (Vinyl chloride)	1.1	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
		Dibromomethane (Methylene bromide)	<10		µg/L	0	WA
		Dichlorodifluoromethane	<10		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		µg/L	0	WA
		Endrin	<0.22		µg/L	0	WA
		Endrin	<0.11		µg/L	0	WA
		Ethylbenzene	5.1		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA

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

WELL LFW 18 collected on 06/15/93, 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>
		Iron	43,600	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
		Lindane	<0.054		µg/L	0	WA
		Magnesium	3,870		µg/L	0	WA
		Manganese	12		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	<0.54		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	6.9	J3	µg/L	0	WA
		Nitrate as nitrogen	110	V	µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Potassium	1,520		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	6,580		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	6,270	V	µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		Tetrachloroethylene	<5.0		µg/L	0	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	120,000		µg/L	0	WA
		Total organic carbon	6,210		µg/L	1	WA
		Total organic halogens	116		µg/L	2	WA
		Toxaphene	<2.2		µg/L	0	WA
		Toxaphene	<1.1		µg/L	0	WA
		Toxaphene	<1.1		µg/L	0	WA
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichlorofluoromethane	<5.0		µg/L	0	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	1.9	J	µg/L	0	WA
		1,1-Dichloroethane	7.5		µg/L	1	WA
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	WA
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.54		µg/L	0	WA

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

WELL LFW 19

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

FIELD MEASUREMENTS

Sample date: 06/15/93

Depth to water: 18.67 ft (5.69 m) below TOC

Water elevation: 158.03 ft (48.17 m) msl

Sp. conductance: 24 μ S/cm

Water evacuated before sampling: 192 gal

Time: 14:12

pH: 4.9

Alkalinity: 0 mg/L

Water temperature: 19.6 °C

Volumes purged: 10.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.0	J	pH	0	WA
•		Specific conductance	20	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	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	437		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	2,320		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	7.0		μ g/L	0	WA
		Dibromochloromethane	<5.0		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		Endrin	<0.11		μ g/L	0	WA
		Ethylbenzene	<5.0		μ g/L	0	WA
		Fluoride	<100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	<10		μ g/L	0	WA
		Iron	68	V	μ g/L	0	WA

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

WELL LFW 19 collected on 06/15/93, 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>
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.054		µg/L	0	WA
		Magnesium	505		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	6.4	J3	µg/L	0	WA
		Nitrate as nitrogen	418	V	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	6,360		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	1,610	V	µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		Tetrachloroethylene	<5.0		µg/L	0	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	58,000		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	WA
		Total organic halogens	<5.0		µg/L	0	WA
		Toxaphene	<1.1		µg/L	0	WA
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichlorofluoromethane	<5.0		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
		1,1-Dichloroethane	<5.0		µg/L	0	WA
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	WA
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.54		µg/L	0	WA

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

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	Water table
E45582.9	81.712395 °W					

FIELD MEASUREMENTS

Sample date: 06/05/93
 Depth to water: 19.31 ft (5.89 m) below TOC
 Water elevation: 161.19 ft (49.13 m) msl
 Sp. conductance: 24 μ S/cm
 Water evacuated before sampling: 256 gal

Time: 10:48
 pH: 5.0
 Alkalinity: 0 mg/L
 Water temperature: 19.9 °C
 Volumes purged: 14.9 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	5.1	J	pH	0	WA
•		Specific conductance	23	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	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	7.2		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	318		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	2,420		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
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		Endrin	<0.11		μ g/L	0	WA
		Endrin	<0.21		μ g/L	0	WA
		Ethylbenzene	<5.0		μ g/L	0	WA
		Fluoride	<100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	<10		μ g/L	0	WA

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

WELL LFW 20 collected on 06/05/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Iron	44		µg/L	0	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	4.1	J3	µg/L	0	WA
		Lindane	<0.054		µg/L	0	WA
		Lindane	<0.11		µg/L	0	WA
		Magnesium	541		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	<0.54		µg/L	0	WA
		Methoxychlor	<1.1		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	578		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	7,000		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	2,170	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
		Tetrachloroethylene	<5.0		µg/L	0	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	22,000	V	µg/L	0	WA
		Total organic carbon	1,210		µg/L	0	WA
		Total organic halogens	<5.0		µg/L	0	WA
		Total organic halogens	<5.0		µg/L	0	WA
		Toxaphene	<1.1		µg/L	0	WA
		Toxaphene	<2.1		µg/L	0	WA
		Toxaphene	<2.1		µg/L	0	WA
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichlorofluoromethane	<5.0		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
		1,1-Dichloroethane	<5.0		µg/L	0	WA
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	WA
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.0		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53		µg/L	0	WA

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

WELL LFW 20 collected on 06/05/93, 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	4.3E+00 ± 1.6E+00		pCi/L	0	TM
		Gross alpha	1.8E+00 ± 1.1E+00		pCi/L	0	TM
		Nonvolatile beta	8.5E+00 ± 2.3E+00		pCi/L	0	TM
		Nonvolatile beta	7.8E+00 ± 2.2E+00		pCi/L	0	TM
		Radium-226	1.6E+00 ± 5.7E-01		pCi/L	0	TM
		Radium-226	8.5E-01 ± 4.3E-01		pCi/L	0	TM
		Radium-228	3.9E+00 ± 2.2E+00		pCi/L	0	TM
		Radium-228	6.0E+00 ± 2.9E+00		pCi/L	0	TM
		Tritium	1.9E+00 ± 3.3E-01		pCi/mL	0	TM
		Tritium	1.8E+00 ± 3.3E-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	Water table
E46149.4	81.708796 °W					

FIELD MEASUREMENTS

Sample date: 06/16/93
 Depth to water: 23.54 ft (7.18 m) below TOC
 Water elevation: 152.06 ft (46.35 m) msl
 Sp. conductance: 916 µS/cm
 Water evacuated before sampling: 758 gal

Time: 16:14
 pH: 6.4
 Alkalinity: 206 mg/L
 Water temperature: 18.7 °C
 Volumes purged: 49.9 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	6.0	J	pH	0	WA
•		Specific conductance	680	J	µS/cm	2	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		µg/L	0	WA
		Acetone	1,190	L	µg/L	2	WA
		Acetone	1,670		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	18		µg/L	0	WA
		Barium	8.9		µg/L	0	WA
■		Benzene	6.0		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	41,600		µg/L	0	WA
		Carbon disulfide	<5.0		µg/L	0	WA
		Carbon tetrachloride	<5.0		µg/L	0	WA
		Chloride	29,600		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 21 collected on 06/16/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Chloroethane	< 10		µg/L	0	WA
		Chloroethene (Vinyl chloride)	1.7	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
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dichlorodifluoromethane	8.0	J	µg/L	1	WA
		Dichloromethane (Methylene chloride)	< 5.0		µg/L	0	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	57		µg/L	0	WA
		Fluoride	228		µg/L	0	WA
		Fluoride	226		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	220,000		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	24,900		µg/L	0	WA
		Manganese	217		µg/L	2	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.55		µg/L	0	WA
		Methyl ethyl ketone	2,030	L	µg/L	0	WA
		Methyl ethyl ketone	2,530		µg/L	0	WA
		Methyl isobutyl ketone	533	L	µg/L	0	WA
		Methyl isobutyl ketone	429		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	< 20	J1	µg/L	0	WA
		Nitrate as nitrogen	< 20	J1	µg/L	0	WA
		Phenols	365		µg/L	2	WA
		Potassium	< 500		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	7,340		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	34,700	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	1,000		µg/L	0	WA
		Tetrachloroethylene	1.7	J	µg/L	0	WA
		Toluene	130		µg/L	0	WA
		Total dissolved solids	489,000		µg/L	0	WA
		Total organic carbon	169,000		µg/L	2	WA
		Total organic halogens	1,010		µg/L	2	WA
		Toxaphene	< 1.1		µg/L	0	WA
■		Trichloroethylene	7.4		µg/L	2	WA
		Trichlorofluoromethane	4.9	J	µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	210		µg/L	0	WA
		1,1-Dichloroethane	145		µg/L	2	WA
		1,1-Dichloroethylene	3.4	J	µg/L	0	WA
		1,1,1-Trichloroethane	1.3	J	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 21 collected on 06/16/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	WA
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,2-Dichloropropane	3.1	J	µg/L	1	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		2-Hexanone	2.7	J	µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<2.2		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.56		µg/L	0	WA
		2,4,5-TP (Silvex)	<1.1		µg/L	0	WA
		Gross alpha	1.1E+01 ± 5.6E+00		pCi/L	1	TM
		Nonvolatile beta	9.6E+00 ± 4.8E+00		pCi/L	0	TM
		Radium-226	6.6E-01 ± 2.6E-01		pCi/L	0	TM
		Radium-228	2.1E+00 ± 1.1E+00		pCi/L	0	TM
		Tritium	1.2E+01 ± 8.1E-01		pCi/mL	1	TM

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	Water table
E46325.2	81.708421 °W					

FIELD MEASUREMENTS

Sample date: 06/16/93

Depth to water: 21.67 ft (6.61 m) below TOC

Water elevation: 152.53 ft (46.49 m) msl

Sp. conductance: 471 µS/cm

Water evacuated before sampling: 102 gal

Time: 16:13

pH: 6.3

Alkalinity: 156 mg/L

Water temperature: 19.1 °C

Volumes purged: 5.2 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.9	J	pH	0	WA
•		Specific conductance	304	J	µS/cm	1	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		µg/L	0	WA
		Acetone	547	L	µg/L	1	WA
		Acetone	699		µg/L	1	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	9.1		µg/L	0	WA
		Barium	6.3		µg/L	0	WA
		Benzene	2.3	J	µg/L	0	WA
		Bromodichloromethane	<5.0		µg/L	0	WA
		Bromoform	<5.0		µg/L	0	WA

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

WELL LFW 22 collected on 06/16/93, 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	5,680		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	12,500		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
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dichlorodifluoromethane	15		µg/L	2	WA
■		Dichloromethane (Methylene chloride)	115	V	µg/L	2	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	72		µg/L	0	WA
		Fluoride	128		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	117,000		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	9,100		µg/L	0	WA
		Manganese	25		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	1,250	L	µg/L	0	WA
		Methyl ethyl ketone	1,010		µg/L	0	WA
		Methyl isobutyl ketone	1,320	L	µg/L	0	WA
		Methyl isobutyl ketone	1,400		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	< 20		µg/L	0	WA
		Phenols	129		µg/L	2	WA
		Potassium	< 500		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	6,950		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	9,980	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		Tetrachloroethylene	2.0	J	µg/L	0	WA
		Toluene	89		µg/L	0	WA
		Total dissolved solids	166,000		µg/L	0	WA
		Total organic carbon	77,800		µg/L	2	WA
		Total organic halogens	829		µg/L	2	WA
		Toxaphene	< 1.1		µg/L	0	WA
■		Trichloroethylene	13		µg/L	2	WA
		Trichlorofluoromethane	23		µg/L	2	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA

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

WELL LFW 22 collected on 06/16/93, 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>
		Xylenes	272		µg/L	0	WA
		1,1-Dichloroethane	66		µg/L	2	WA
		1,1-Dichloroethylene	2.6	J	µg/L	0	WA
		1,1,1-Trichloroethane	1.8	J	µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	WA
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,2-Dichloropropane	2.1	J	µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55		µg/L	0	WA
		Gross alpha	1.5E+00 ± 1.6E+00		pCi/L	0	TM
		Nonvolatile beta	3.7E+00 ± 2.2E+00		pCi/L	0	TM
		Radium-226	1.1E+00 ± 3.1E-01		pCi/L	0	TM
		Radium-228	3.0E+00 ± 1.2E+00		pCi/L	0	TM
		Tritium	3.5E+00 ± 4.7E-01		pCi/mL	0	TM

WELL LFW 23

<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>
N84251.3	33.287903 °N	155.1-125.1 ft msl	171.8 ft msl	4" PVC	S	Water table
E46456.1	81.708131 °W					

FIELD MEASUREMENTS

Sample date: 06/16/93
 Depth to water: 18.89 ft (5.76 m) below TOC
 Water elevation: 152.91 ft (46.61 m) msl
 Sp. conductance: 32 µS/cm
 Water evacuated before sampling: 159 gal

Time: 15:45
 pH: 4.8
 Alkalinity: 0 mg/L
 Water temperature: 18.9 °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	5.1	J	pH	0	WA
•		Specific conductance	26	J	µS/cm	0	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		µg/L	0	WA
		Acetone	13		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	5.7		µg/L	0	WA
		Benzene	<5.0		µg/L	0	WA

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

WELL LFW 23 collected on 06/16/93, 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	463		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	1,760		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
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 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
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	32		µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	5.5	J3	µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	731		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	1,280	V	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	7,320		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	2,450	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	9,000		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
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	2.4	J	µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA

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WELL LFW 23 collected on 06/16/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		1,1-Dichloroethane	2.5	J	µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		Gross alpha	4.5E+00 ± 1.7E+00		pCi/L	0	TM
		Nonvolatile beta	5.6E+00 ± 2.1E+00		pCi/L	0	TM
		Radium-226	1.1E+00 ± 3.7E-01		pCi/L	0	TM
		Radium-228	2.9E+00 ± 1.2E+00		pCi/L	0	TM
		Tritium	2.5E+00 ± 4.2E-01		pCi/mL	0	TM

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	Water table
E46520.8	81.708530 °W					

FIELD MEASUREMENTS

Sample date: 06/16/93
 Depth to water: 15.20 ft (4.63 m) below TOC
 Water elevation: 156.10 ft (47.58 m) msl
 Sp. conductance: 20 µS/cm
 Water evacuated before sampling: 104 gal

Time: 15:15
 pH: 5.0
 Alkalinity: 0 mg/L
 Water temperature: 17.6 °C
 Volumes purged: 5.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.1	J	pH	0	WA
•		Specific conductance	16	J	µS/cm	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	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	5.1	J3	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 24 collected on 06/16/93, 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	284		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
		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	4.5	J3	µg/L	0	WA
		Dibromochloromethane	<5.0		µg/L	0	WA
		Dibromomethane (Methylene bromide)	<10		µg/L	0	WA
		Dichlorodifluoromethane	<10		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<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
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	38		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	434		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	212	V	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	4,960		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	<1,000		µg/L	0	WA
		Tetrachloroethylene	<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	5.8		µg/L	0	WA
		Total organic halogens	<5.0		µg/L	0	WA
		Toxaphene	<1.1		µg/L	0	WA
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichlorofluoromethane	<5.0		µg/L	0	WA

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

WELL LFW 24 collected on 06/16/93, 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	< 5.0		µg/L	0	WA
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		Gross alpha	< 5.0E-01		pCi/L	0	TM
		Nonvolatile beta	1.8E+00 ± 1.7E+00		pCi/L	0	TM
		Radium-226	1.8E+00 ± 4.5E-01		pCi/L	0	TM
		Radium-228	3.3E+00 ± 1.8E+00		pCi/L	0	TM
		Tritium	6.9E+00 ± 6.3E-01		pCi/mL	0	TM

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	Water table
E46425.7	81.709602 °W					

FIELD MEASUREMENTS

Sample date: 06/10/93
 Depth to water: 16.38 ft (4.99 m) below TOC
 Water elevation: 158.32 ft (48.26 m) msl
 Sp. conductance: 19 µS/cm
 Water evacuated before sampling: 128 gal

Time: 13:43
 pH: 4.9
 Alkalinity: 0 mg/L
 Water temperature: 18.4 °C
 Volumes purged: 5.6 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	5.6	J	pH	0	WA
•		Specific conductance	18	J	µS/cm	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-1,2-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
		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
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA

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

WELL LFW 25 collected on 06/10/93, 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
		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
		Arsenic	< 2.0		µg/L	0	WA
		Barium	5.1	J3	µg/L	0	WA
		Barium	5.3	J3	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
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Calcium	221		µg/L	0	WA
		Calcium	227		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	1,490		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

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

WELL LFW 25 collected on 06/10/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Chloromethane (Methyl chloride)	2.1	J	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
		Chromium	<4.0		µg/L	0	WA
		Copper	4.5	J3	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
		Dibromomethane (Methylene bromide)	<10		µg/L	0	WA
		Dibromomethane (Methylene bromide)	<10		µg/L	0	WA
		Dibromomethane (Methylene bromide)	<10		µg/L	0	WA
		Dichlorodifluoromethane	<10		µg/L	0	WA
		Dichlorodifluoromethane	<10		µg/L	0	WA
		Dichlorodifluoromethane	<10		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
		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
		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	22	J3	µg/L	0	WA
		Iron	28	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
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.057		µg/L	0	WA
		Magnesium	453		µg/L	0	WA
		Magnesium	460		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
		Methacrylonitrile	<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 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
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	539	V	µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA

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

WELL LFW 25 collected on 06/10/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Potassium	<500		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
		Selenium	<2.0		µg/L	0	WA
		Silica	5,890		µg/L	0	WA
		Silica	6,000		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	1,070	V	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	<1,000		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	49,000		µg/L	0	WA
		Total organic carbon	1,080		µg/L	0	WA
		Total organic carbon	1,120		µg/L	0	WA
		Total organic halogens	<5.0		µg/L	0	WA
		Total organic halogens	<5.0		µg/L	0	WA
		Toxaphene	<1.1		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
		Vanadium	<3.0		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
		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
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		1,1-Dichloroethylene	<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
		1,1,1-Trichloroethane	<5.0		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-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
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA

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

WELL LFW 25 collected on 06/10/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 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
		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
		1,2-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
		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
		2-Hexanone	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.56		µg/L	0	WA
		Gross alpha	2.5E+00 ± 1.3E+00		pCi/L	0	TM
		Gross alpha	4.5E+00 ± 1.7E+00		pCi/L	0	TM
		Nonvolatile beta	1.3E+01 ± 3.2E+00		pCi/L	0	TM
		Radium-226	1.4E+00 ± 5.5E-01		pCi/L	0	TM
		Radium-226	1.6E+00 ± 5.7E-01		pCi/L	0	TM
		Radium-228	9.6E+00 ± 2.7E+00		pCi/L	0	TM
		Radium-228	7.8E+00 ± 2.9E+00		pCi/L	0	TM
		Tritium	1.7E+00 ± 3.4E-01		pCi/mL	0	TM
		Tritium	1.8E+00 ± 3.4E-01		pCi/mL	0	TM

WELL LFW 26

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

FIELD MEASUREMENTS

Sample date: 06/05/93

Time: 11:51

Depth to water: 22.77 ft (6.94 m) below TOC

pH: 5.0

Water elevation: 163.73 ft (49.91 m) msl

Alkalinity: 0 mg/L

Sp. conductance: 14 µS/cm

Water temperature: 20.0 °C

Water evacuated before sampling: 275 gal

Volumes purged: 20.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	4.9	J	pH	0	WA
•		Specific conductance	13	J	µS/cm	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 26 collected on 06/05/93, laboratory analyses (cont.)

H D	Analyte	Result	Mod	Unit	Flag	Lab
	trans-1,2-Dichloroethylene	<5.0		µg/L	0	WA
	trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
	trans-1,4-Dichloro-2-butene	<100		µg/L	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	176		µg/L	0	WA
	Carbon disulfide	<5.0		µg/L	0	WA
	Carbon tetrachloride	<5.0		µg/L	0	WA
	Chloride	1,720		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
	Dibromomethane (Methylene bromide)	<10		µg/L	0	WA
	Dichlorodifluoromethane	<10		µg/L	0	WA
	Dichloromethane (Methylene chloride)	<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
	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	<0.053		µg/L	0	WA
	Magnesium	246		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	156		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	5,830		µg/L	0	WA
	Silver	<2.0		µg/L	0	WA
	Sodium	1,130	V	µg/L	0	WA
	Styrene	<5.0		µg/L	0	WA

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

WELL LFW 26 collected on 06/05/93, 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>
		Sulfate	< 1,000		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	20,000	V	µg/L	0	WA
		Total organic carbon	1,120		µg/L	0	WA
		Total organic halogens	< 5.0		µg/L	0	WA
		Toxaphene	< 1.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		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
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 2.2		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		2,4,5-TP (Silvex)	< 1.1		µg/L	0	WA
		Gross alpha	1.5E+00 ± 1.0E+00		pCi/L	0	TM
		Nonvolatile beta	3.0E+00 ± 1.8E+00		pCi/L	0	TM
		Radium-226	4.9E-01 ± 2.2E-01		pCi/L	0	TM
		Radium-228	3.4E+00 ± 1.2E+00		pCi/L	0	TM
		Tritium	1.8E+00 ± 3.2E-01		pCi/mL	0	TM

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

WELL LFW 27

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

FIELD MEASUREMENTS

Sample date: 06/05/93
 Depth to water: 24.55 ft (7.48 m) below TOC
 Water elevation: 164.65 ft (50.19 m) msl
 Sp. conductance: 18 μ S/cm
 Water evacuated before sampling: 84 gal

Time: 12:50
 pH: 5.1
 Alkalinity: 1 mg/L
 Water temperature: 20.1 °C
 Volumes purged: 5.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	4.9	J	pH	0	WA
•		Specific conductance	16	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	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	270		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	1,780		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
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		Dichlorodifluoromethane	< 10		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		μ g/L	0	WA
		Endrin	< 0.11		μ g/L	0	WA
		Ethylbenzene	< 5.0		μ g/L	0	WA
		Fluoride	< 100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	< 10		μ g/L	0	WA
		Iron	< 4.0		μ g/L	0	WA

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

WELL LFW 27 collected on 06/05/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	282		µg/L	0	WA
		Manganese	2.7	J3	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	248		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	6,670		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,770	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	22,000	V	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
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		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
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.54		µg/L	0	WA
		Gross alpha	8.0E-01 ± 8.0E-01		pCi/L	0	TM
		Nonvolatile beta	1.5E+00 ± 1.6E+00		pCi/L	0	TM
		Radium-226	6.1E-01 ± 2.5E-01		pCi/L	0	TM
		Radium-228	2.8E+00 ± 1.2E+00		pCi/L	0	TM
		Tritium	1.6E+00 ± 3.1E-01		pCi/mL	0	TM

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

WELL LFW 28

<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>
N86079.6 E45555.3	33.290475 °N 81.714056 °W	162.1-141.1 ft msl	192.4 ft msl	4" PVC	S	Water table

FIELD MEASUREMENTS

Sample date: 06/06/93
 Depth to water: 26.17 ft (7.98 m) below TOC
 Water elevation: 166.23 ft (50.67 m) msl
 Sp. conductance: 46 μ S/cm
 Water evacuated before sampling: 19 gal
 The well went dry during purging.

Time: 15:20
 pH: 5.6
 Alkalinity: 7 mg/L
 Water temperature: 23.2 °C
 Volumes purged: 1.2 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	5.6	J	pH	0	WA
•		Specific conductance	44	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	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	11		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	3,690		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	2,080		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	5.1	J3	μ g/L	0	WA
		Copper	9.7		μ g/L	0	WA
		Dibromochloromethane	<5.0		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		Endrin	<0.11		μ g/L	0	WA
		Ethylbenzene	<5.0		μ g/L	0	WA
		Fluoride	<100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	<10		μ g/L	0	WA
		Iron	352		μ g/L	2	WA

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

WELL LFW 28 collected on 06/06/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	884		µg/L	0	WA
		Manganese	7.0	J3	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	4.5	J3	µg/L	0	WA
		Nitrate as nitrogen	2,040	V	µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	1,680		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	5,950		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	2,330	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	1,160	J2	µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	34,000	V	µg/L	0	WA
		Total dissolved solids	33,000	V	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
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		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
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		Gross alpha	1.5E+00 ± 1.0E+00		pCi/L	0	TM
		Nonvolatile beta	5.1E+00 ± 2.0E+00		pCi/L	0	TM
		Radium-226	8.4E-01 ± 2.8E-01		pCi/L	0	TM
		Radium-228	2.9E+00 ± 1.2E+00		pCi/L	0	TM
		Tritium	2.4E+00 ± 3.6E-01		pCi/mL	0	TM

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

WELL LFW 29

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

FIELD MEASUREMENTS

Sample date: 06/05/93
 Depth to water: 27.43 ft (8.36 m) below TOC
 Water elevation: 167.87 ft (51.17 m) msl
 Sp. conductance: 23 μ S/cm
 Water evacuated before sampling: 154 gal

Time: 13:51
 pH: 4.8
 Alkalinity: 0 mg/L
 Water temperature: 19.5 °C
 Volumes purged: 9.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	4.8	J	pH	0	WA
•		Specific conductance	20	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	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	551		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	1,810		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
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		Endrin	<0.11		μ g/L	0	WA
		Ethylbenzene	<5.0		μ g/L	0	WA
		Fluoride	<100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	<10		μ g/L	0	WA
		Iron	13	J3	μ g/L	0	WA

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

WELL LFW 29 collected on 06/05/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.053		µg/L	0	WA
		Magnesium	483		µg/L	0	WA
		Manganese	3.4	J3	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	773		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	5,760		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,160	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	48,000	V	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
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		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
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.53		µg/L	0	WA
		Gross alpha	3.0E+00 ± 1.3E+00		pCi/L	0	TM
		Nonvolatile beta	1.5E+01 ± 2.7E+00		pCi/L	0	TM
		Radium-226	1.8E+00 ± 4.5E-01		pCi/L	0	TM
		Radium-228	1.7E+00 ± 1.3E+00		pCi/L	0	TM
		Tritium	2.0E+00 ± 3.4E-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	Water table
E45170.9	81.715532 °W					

FIELD MEASUREMENTS

Sample date: 06/05/93
 Depth to water: 41.80 ft (12.74 m) below TOC
 Water elevation: 168.20 ft (51.27 m) msl
 Sp. conductance: 22 μ S/cm
 Water evacuated before sampling: 289 gal

Time: 15:39
 pH: 5.1
 Alkalinity: 1 mg/L
 Water temperature: 20.0 °C
 Volumes purged: 16.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.0	J	pH	0	WA
•		Specific conductance	20	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	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	6.2		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	1,450		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
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		Dichlorodifluoromethane	< 10		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		μ g/L	0	WA
		Endrin	< 0.10		μ g/L	0	WA
		Ethylbenzene	< 5.0		μ g/L	0	WA
		Fluoride	< 100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	< 10		μ g/L	0	WA
		Iron	4.4	J3	μ g/L	0	WA

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

WELL LFW 30 collected on 06/05/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.052		µg/L	0	WA
		Magnesium	616		µg/L	0	WA
		Manganese	4.1	J3	µg/L	0	WA
		Mercury	< 0.20		µg/L	0	WA
		Methacrylonitrile	< 20		µg/L	0	WA
		Methoxychlor	< 0.52		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	801		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	1,040	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	23,000	V	µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	< 5.0		µg/L	0	WA
		Toxaphene	< 1.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		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
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.53		µg/L	0	WA
		Gross alpha	3.2E + 00 ± 1.4E + 00		pCi/L	0	TM
		Nonvolatile beta	7.9E + 00 ± 2.2E + 00		pCi/L	0	TM
		Radium-226	6.1E-01 ± 2.6E-01		pCi/L	0	TM
		Radium-228	4.1E + 00 ± 1.2E + 00		pCi/L	0	TM
		Tritium	2.2E + 00 ± 3.5E-01		pCi/mL	0	TM

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

WELL LFW 31

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

FIELD MEASUREMENTS

Sample date: 06/05/93
 Depth to water: 61.75 ft (18.82 m) below TOC
 Water elevation: 167.55 ft (51.07 m) msl
 Sp. conductance: 25 μ S/cm
 Water evacuated before sampling: 102 gal

Time: 14:44
 pH: 5.2
 Alkalinity: 0 mg/L
 Water temperature: 20.2 °C
 Volumes purged: 6.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.0	J	pH	0	WA
•		Specific conductance	22	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	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	4.5	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	630		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	2,330		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	7.8		μ g/L	0	WA
		Dibromochloromethane	< 5.0		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		Dichlorodifluoromethane	< 10		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		μ g/L	0	WA
		Endrin	< 0.11		μ g/L	0	WA
		Ethylbenzene	< 5.0		μ g/L	0	WA
		Fluoride	< 100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	< 10		μ g/L	0	WA
		Iron	29		μ g/L	0	WA

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

WELL LFW 31 collected on 06/05/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.053		µg/L	0	WA
		Magnesium	517		µg/L	0	WA
		Manganese	2.0	J3	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	494		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	971		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
		Sodium	1,840	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	2,390	J2	µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	16,000	V	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
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		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
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 2.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.52		µg/L	0	WA
		2,4,5-TP (Silvex)	< 1.1		µg/L	0	WA
		Gross alpha	2.8E+00 ± 1.3E+00		pCi/L	0	TM
		Nonvolatile beta	2.8E+00 ± 1.8E+00		pCi/L	0	TM
		Radium-226	1.1E+00 ± 3.6E-01		pCi/L	0	TM
		Radium-228	5.0E-01 ± 1.1E+00		pCi/L	0	TM
		Tritium	2.7E+00 ± 3.7E-01		pCi/mL	0	TM

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

WELL LFW 32

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

FIELD MEASUREMENTS

Sample date: 06/05/93
 Depth to water: 58.51 ft (17.83 m) below TOC
 Water elevation: 165.19 ft (50.35 m) msl
 Sp. conductance: 22 μ S/cm
 Water evacuated before sampling: 163 gal

Time: 16:37
 pH: 5.0
 Alkalinity: 1 mg/L
 Water temperature: 19.3 °C
 Volumes purged: 11.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	4.9	J	pH	0	WA
•		Specific conductance	21	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	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	274		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	2,360		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
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		Endrin	<0.11		μ g/L	0	WA
		Ethylbenzene	<5.0		μ g/L	0	WA
		Fluoride	<100		μ g/L	0	WA
		Fluoride	<100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	<10		μ g/L	0	WA

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

WELL LFW 32 collected on 06/05/93, laboratory analyses (cont.)

H	Q	Analyte	Result	Mod	Unit	Flag	Lab
		Iron	6.0	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	363		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	558		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	970		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	6,000		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,960	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		Tetrachloro ethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	24,000	V	µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	< 5.0		µg/L	0	WA
		Toxaphene	< 1.0		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		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
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.0		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.53		µg/L	0	WA
		Gross alpha	2.7E+00 ± 1.3E+00		pCi/L	0	TM
		Nonvolatile beta	7.2E+00 ± 2.2E+00		pCi/L	0	TM
		Radium-226	1.0E+00 ± 3.3E-01		pCi/L	0	TM
		Radium-228	2.0E+00 ± 1.4E+00		pCi/L	0	TM
		Tritium	3.2E+00 ± 4.1E-01		pCi/mL	0	TM

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

WELL LFW 33

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

FIELD MEASUREMENTS

Sample date: 06/06/93
 Depth to water: 49.90 ft (15.21 m) below TOC
 Water elevation: 163.80 ft (49.93 m) msl
 Sp. conductance: 23 μ S/cm
 Water evacuated before sampling: 112 gal

Time: 16:16
 pH: 4.9
 Alkalinity: 0 mg/L
 Water temperature: 19.5 °C
 Volumes purged: 8.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	4.3	J	pH	0	WA
•		pH	4.4	J	pH	0	WA
•		Specific conductance	20	J	μ S/cm	0	WA
•		Specific conductance	21	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	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	301		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	< 4.0		μ g/L	0	WA
		Dibromochloromethane	< 5.0		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		Dichlorodifluoromethane	< 10		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		μ g/L	0	WA
		Endrin	< 0.11		μ g/L	0	WA
		Ethylbenzene	< 5.0		μ g/L	0	WA
		Fluoride	< 100		μ g/L	0	WA

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

WELL LFW 33 collected on 06/06/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	4.2	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	403		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	435		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	741	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	5,890		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
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	28,000	V	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	WA
		Toxaphene	< 1.1		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		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
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.56		µg/L	0	WA
		Gross alpha	4.2E+00 ± 1.5E+00		pCi/L	0	TM
		Nonvolatile beta	1.3E+01 ± 2.6E+00		pCi/L	0	TM
		Radium-226	1.5E+00 ± 4.1E-01		pCi/L	0	TM
		Radium-228	6.7E+00 ± 1.4E+00		pCi/L	0	TM
		Tritium	3.2E+00 ± 4.1E-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	Water table

FIELD MEASUREMENTS

Sample date: 06/06/93
 Depth to water: 38.63 ft (11.77 m) below TOC
 Water elevation: 162.37 ft (49.49 m) msl
 Sp. conductance: 22 μ S/cm
 Water evacuated before sampling: 106 gal

Time: 17:03
 pH: 5.2
 Alkalinity: 1 mg/L
 Water temperature: 19.3 °C
 Volumes purged: 8.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	4.8	J	pH	0	WA
•		Specific conductance	20	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	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	660		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	2,480		μ g/L	0	WA
		Chloride	2,490		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	9.3		μ g/L	0	WA
		Dibromochloromethane	<5.0		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		Endrin	<0.11		μ g/L	0	WA
		Ethylbenzene	<5.0		μ g/L	0	WA
		Fluoride	<100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	<10		μ g/L	0	WA

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

WELL LFW 34 collected on 06/06/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Iron	14	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	433		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	447		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	712	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	5,920		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,430	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	44,000	V	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
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		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
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.56		µg/L	0	WA
		Gross alpha	2.8E+00 ± 1.3E+00		pCi/L	0	TM
		Nonvolatile beta	6.7E+00 ± 2.1E+00		pCi/L	0	TM
		Radium-226	1.1E+00 ± 3.3E-01		pCi/L	0	TM
		Radium-228	3.8E+00 ± 1.3E+00		pCi/L	0	TM
		Tritium	3.1E+00 ± 4.0E-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 E45378.8	33.288325 °N 81.712883 °W	164.4-143.4 ft msl	183.7 ft msl	4" PVC	S	Water table

FIELD MEASUREMENTS

Sample date: 06/16/93
 Depth to water: 22.31 ft (6.80 m) below TOC
 Water elevation: 161.39 ft (49.19 m) msl
 Sp. conductance: 28 µS/cm
 Water evacuated before sampling: 82 gal

Time: 13:47
 pH: 4.7
 Alkalinity: 0 mg/L
 Water temperature: 20.0 °C
 Volumes purged: 6.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	4.9	J	pH	0	WA
•		Specific conductance	23	J	µS/cm	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-1,2-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
		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
		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
		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	8.5		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

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

WELL LFW 35 collected on 06/16/93, 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>
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Calcium	536		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	2,630		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
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		Dichlorodifluoromethane	< 10		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
		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
		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	5.5	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

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

WELL LFW 35 collected on 06/16/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Lindane	<0.055		µg/L	0	WA
		Magnesium	979		µg/L	0	WA
		Manganese	3.9	J3	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	5.9	J3	µg/L	0	WA
		Nitrate as nitrogen	936	V	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	4,980		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	1,210	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	<1,000		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	2,000		µg/L	0	WA
		Total organic carbon	<1,000		µg/L	0	WA
		Total organic halogens	<5.0		µg/L	0	WA
		Total organic halogens	<5.0		µg/L	0	WA
		Toxaphene	<1.1		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
		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
		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
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		1,1-Dichloroethylene	<5.0		µg/L	0	WA

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

WELL LFW 35 collected on 06/16/93, 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>
		1,1,1-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
		1,1,1,2-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-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
		1,1,2,2-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
		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
		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
		1,2-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
		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
		2-Hexanone	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		Gross alpha	2.4E+00 ± 1.3E+00		pCi/L	0	TM
		Nonvolatile beta	1.1E+01 ± 2.5E+00		pCi/L	0	TM
		Radium-226	3.9E-01 ± 1.9E-01		pCi/L	0	TM
		Radium-228	1.3E+00 ± 1.4E+00		pCi/L	0	TM
		Tritium	4.4E+00 ± 5.3E-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	33.284894 °N	151.3-130.3 ft msl	170.4 ft msl	4" PVC	S	Water table
E45582.3	81.709040 °W					

FIELD MEASUREMENTS

Sample date: 06/10/93
 Depth to water: 24.03 ft (7.32 m) below TOC
 Water elevation: 146.37 ft (44.61 m) msl
 Sp. conductance: 287 μ S/cm
 Water evacuated before sampling: 345 gal

Time: 15:36
 pH: 6.6
 Alkalinity: 105 mg/L
 Water temperature: 18.9 °C
 Volumes purged: 32.7 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	6.1	J	pH	0	WA
•		Specific conductance	281	J	μ S/cm	1	WA
		cis-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	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	2.9	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	5,500		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	20,400		μ g/L	0	WA
		Chlorobenzene	12		μ g/L	0	WA
		Chloroethane	<10		μ g/L	0	WA
	■	Chloroethene (Vinyl chloride)	22		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
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		Dichlorodifluoromethane	5.9	J	μ g/L	1	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		Endrin	<0.11		μ g/L	0	WA
		Ethylbenzene	<5.0		μ g/L	0	WA
		Fluoride	131	J3	μ g/L	0	WA
		Fluoride	171	J3	μ g/L	0	WA
		Iodomethane (Methyl iodide)	<10		μ g/L	0	WA

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

WELL LFW 36 collected on 06/10/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Iron	15,000		µg/L	2	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.057		µg/L	0	WA
		Magnesium	13,700		µg/L	0	WA
		Manganese	13		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	J3	µg/L	0	WA
		Nitrate as nitrogen	122	V	µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	543	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	6,180		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	19,800	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	1,430		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	122,000		µg/L	0	WA
		Total organic carbon	3,800		µg/L	0	WA
		Total organic halogens	319		µg/L	2	WA
		Toxaphene	< 1.1		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	8.5		µg/L	1	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	1.7	J	µg/L	0	WA
		1,1-Dichloroethane	33		µg/L	2	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.57		µg/L	0	WA
		Gross alpha	2.8E+00 ± 1.8E+00		pCi/L	0	TM
		Nonvolatile beta	1.1E+01 ± 3.0E+00		pCi/L	0	TM
		Radium-226	1.6E+00 ± 4.2E-01		pCi/L	0	TM
		Radium-228	3.8E+00 ± 1.3E+00		pCi/L	0	TM
		Tritium	7.5E+00 ± 6.2E-01		pCi/mL	0	TM

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

WELL LFW 37

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

FIELD MEASUREMENTS

Sample date: 06/14/93
 Depth to water: 26.69 ft (8.14 m) below TOC
 Water elevation: 143.21 ft (43.65 m) msl
 Sp. conductance: 169 μ S/cm
 Water evacuated before sampling: 100 gal

Time: 9:28
 pH: 5.2
 Alkalinity: 2 mg/L
 Water temperature: 18.6 °C
 Volumes purged: 11.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.3	J	pH	0	WA
•		pH	5.3	J	pH	0	WA
•		Specific conductance	160	J	μ S/cm	0	WA
•		Specific conductance	160	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	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	8.4		μ g/L	0	WA
■		Benzene	7.7		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	2,860		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	28,300		μ g/L	0	WA
		Chlorobenzene	6.8		μ g/L	0	WA
		Chloroethane	< 10		μ g/L	0	WA
■		Chloroethene (Vinyl chloride)	2.4	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
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		Dichlorodifluoromethane	16		μ g/L	2	WA
■		Dichloromethane (Methylene chloride)	42	V	μ g/L	2	WA
		Endrin	< 0.11		μ g/L	0	WA
		Ethylbenzene	< 5.0		μ g/L	0	WA
		Fluoride	< 100		μ g/L	0	WA

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

WELL LFW 37 collected on 06/14/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		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	< 0.057		µg/L	0	WA
		Magnesium	4,960		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	54		µg/L	0	WA
		Phenols	5.3		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	19,900	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	5,300		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	117,000	V	µg/L	0	WA
		Total organic carbon	3,270		µg/L	0	WA
		Total organic halogens	594		µg/L	2	WA
		Toxaphene	< 1.1		µg/L	0	WA
■		Trichloroethylene	9.2		µg/L	2	WA
		Trichlorofluoromethane	31		µg/L	2	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	6.1		µg/L	0	WA
		1,1-Dichloroethane	101		µg/L	2	WA
		1,1-Dichloroethylene	2.4	J	µg/L	0	WA
		1,1,1-Trichloroethane	5.8		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
■		1,2-Dichloroethane	6.4		µg/L	2	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 2.2		µg/L	0	WA
		2,4,5-TP (Silvex)	0.82		µg/L	0	WA
		2,4,5-TP (Silvex)	1.00	J	µg/L	0	WA
		Gross alpha	6.0E+00 ± 2.2E+00		pCi/L	0	TM
		Nonvolatile beta	2.0E+01 ± 3.3E+00		pCi/L	0	TM
		Radium-226	1.8E+00 ± 4.3E-01		pCi/L	0	TM
		Radium-228	8.5E+00 ± 1.7E+00		pCi/L	0	TM
		Tritium	1.1E+00 ± 7.2E-01		pCi/mL	0	TM

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

WELL LFW 38

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

FIELD MEASUREMENTS

Sample date: 06/10/93
 Depth to water: 26.57 ft (8.10 m) below TOC
 Water elevation: 143.73 ft (43.81 m) msl
 Sp. conductance: 89 μ S/cm
 Water evacuated before sampling: 40 gal

Time: 14:50
 pH: 4.6
 Alkalinity: 0 mg/L
 Water temperature: 20.5 °C
 Volumes purged: 4.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	4.8	J	pH	0	WA
•		pH	4.7	J	pH	0	WA
•		Specific conductance	86	J	μ S/cm	0	WA
•		Specific conductance	86	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	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	7.4		μ g/L	0	WA
■		Benzene	5.8		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	865		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	17,900		μ g/L	0	WA
		Chlorobenzene	<5.0		μ g/L	0	WA
		Chloroethane	<10		μ g/L	0	WA
		Chloroethene (Vinyl chloride)	1.5	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
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		Dichlorodifluoromethane	33		μ g/L	2	WA
■		Dichloromethane (Methylene chloride)	54		μ g/L	2	WA
		Endrin	<0.11		μ g/L	0	WA
		Ethylbenzene	<5.0		μ g/L	0	WA
		Fluoride	<100		μ g/L	0	WA

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

WELL LFW 38 collected on 06/10/93, laboratory analyses (cont.)

H D	Analyte	Result	Mod	Unit	Flag	Lab
	Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
	Iron	52		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	1,240		µg/L	0	WA
	Manganese	11		µg/L	0	WA
	Mercury	0.89		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	238	V	µg/L	0	WA
	Phenols	< 5.0		µg/L	0	WA
	Potassium	624	J3	µg/L	0	WA
	Propionitrile	< 50		µg/L	0	WA
	Selenium	< 2.0		µg/L	0	WA
	Silica	12,300		µg/L	0	WA
	Silver	< 2.0		µg/L	0	WA
	Sodium	11,000	V	µg/L	0	WA
	Styrene	< 5.0		µg/L	0	WA
	Sulfate	< 1,000		µg/L	0	WA
	Tetrachloroethylene	3.3	J	µg/L	1	WA
	Toluene	< 5.0		µg/L	0	WA
	Total dissolved solids	12,000		µg/L	0	WA
	Total dissolved solids	11,000		µg/L	0	WA
	Total organic carbon	2,260		µg/L	0	WA
	Total organic halogens	794		µg/L	2	WA
	Toxaphene	< 1.1		µg/L	0	WA
■	Trichloroethylene	18		µg/L	2	WA
	Trichlorofluoromethane	21		µg/L	2	WA
	Vanadium	< 3.0		µg/L	0	WA
	Vinyl acetate	< 10		µg/L	0	WA
	Xylenes	1.6	J	µg/L	0	WA
	1,1-Dichloroethane	75		µg/L	2	WA
	1,1-Dichloroethylene	3.7	J	µg/L	1	WA
	1,1,1-Trichloroethane	9.8		µg/L	0	WA
	1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
	1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
	1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
	1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
	1,2-Dibromoethane	< 20		µg/L	0	WA
	1,2-Dichloroethane	< 5.0		µg/L	0	WA
	1,2-Dichloropropane	1.1	J	µg/L	0	WA
	1,2,3-Trichloropropane	< 10		µg/L	0	WA
	2-Hexanone	< 10		µg/L	0	WA
	2,4-Dichlorophenoxyacetic acid	< 1.2		µg/L	0	WA
	2,4,5-TP (Silvex)	< 0.58		µg/L	0	WA
	Gross alpha	2.5E+00 ± 1.5E+00		pCi/L	0	TM
	Nonvolatile beta	5.9E+00 ± 2.4E+00		pCi/L	0	TM
	Radium-226	< 2.1E-01		pCi/L	0	TM
	Radium-228	3.1E+00 ± 1.3E+00		pCi/L	0	TM
■	Tritium	2.1E+01 ± 9.9E-01		pCi/mL	2	TM

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

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	Water table
E46218.5	81.706738 °W					

FIELD MEASUREMENTS

Sample date: 06/11/93

Depth to water: 27.38 ft (8.35 m) below TOC

Water elevation: 144.02 ft (43.90 m) msl

Sp. conductance: 141 μ S/cm

Water evacuated before sampling: 214 gal

Time: 13:01

pH: 5.6

Alkalinity: 19 mg/L

Water temperature: 19.5 °C

Volumes purged: 25.4 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.5	J	pH	0	WA
•		Specific conductance	121	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	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	2.6	J3	μ g/L	0	WA
		Barium	5.8		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	2.4	J3	μ g/L	0	WA
		Calcium	987		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	13,800		μ g/L	0	WA
		Chlorobenzene	< 5.0		μ g/L	0	WA
		Chloroethane	11		μ g/L	2	WA
		Chloroethene (Vinyl chloride)	< 10		μ g/L	0	WA
		Chloroform	1.0	J	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
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		Dichlorodifluoromethane	73		μ g/L	2	WA
■		Dichloromethane (Methylene chloride)	151		μ g/L	2	WA
		Endrin	< 0.11		μ g/L	0	WA
		Ethylbenzene	4.6	J	μ g/L	0	WA
		Fluoride	< 100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	< 10		μ g/L	0	WA
		Iron	19,600		μ g/L	2	WA

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

WELL LFW 39 collected on 06/11/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.054		µg/L	0	WA
		Magnesium	1,870		µg/L	0	WA
		Manganese	4.0	J3	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	11		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	212		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	11,500		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	8,380		µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	1,110		µg/L	0	WA
■		Tetrachloroethylene	9.2		µg/L	2	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	71,000		µg/L	0	WA
		Total dissolved solids	72,000		µg/L	0	WA
		Total organic carbon	2,000		µg/L	0	WA
		Total organic halogens	953		µg/L	2	WA
		Toxaphene	< 1.1		µg/L	0	WA
■		Trichloroethylene	26		µg/L	2	WA
		Trichlorofluoromethane	174		µg/L	2	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	58		µg/L	0	WA
		1,1-Dichloroethane	93		µg/L	2	WA
■		1,1-Dichloroethylene	10		µg/L	2	WA
		1,1,1-Trichloroethane	70		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	1.7	J	µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.54		µg/L	0	WA
		Gross alpha	2.2E+00 ± 1.5E+00		pCi/L	0	TM
		Gross alpha	4.8E+00 ± 2.1E+00		pCi/L	0	TM
		Nonvolatile beta	5.3E+00 ± 2.4E+00		pCi/L	0	TM
		Nonvolatile beta	3.2E+00 ± 2.2E+00		pCi/L	0	TM
		Radium-226	1.1E+00 ± 4.9E-01		pCi/L	0	TM
		Radium-226	1.2E+00 ± 5.1E-01		pCi/L	0	TM
		Radium-228	4.6E+00 ± 2.5E+00		pCi/L	0	TM
		Radium-228	4.3E+00 ± 2.3E+00		pCi/L	0	TM
■		Tritium	3.6E+01 ± 1.3E+00		pCi/mL	2	TM

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

WELL LFW 39 collected on 06/11/93, 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	3.5E + 01 ± 1.3E + 00		pCi/mL	2	TM

WELL LFW 40

<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>
N83248.8	33.285587 °N	152.2-131.2 ft msl	171 ft msl	4" PVC	S	Water table
E46395.1	81.706343 °W					

FIELD MEASUREMENTS

Sample date: 06/11/93

Depth to water: 27.25 ft (8.31 m) below TOC

Water elevation: 143.75 ft (43.82 m) msl

Sp. conductance: 318 µS/cm

Water evacuated before sampling: 517 gal

Time: 12:04

pH: 6.1

Alkalinity: 56 mg/L

Water temperature: 19.0 °C

Volumes purged: 62.8 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
•		Specific conductance	323	J	µS/cm	1	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		Acetone	284	L	µg/L	0	WA
		Acetone	301		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	7.9		µg/L	0	WA
		Benzene	1.9	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	10,900		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	13,000		µg/L	0	WA
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chloroethane	8.3	J	µg/L	1	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
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA

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

WELL LFW 40 collected on 06/11/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Dichlorodifluoromethane	69		µg/L	2	WA
■		Dichloromethane (Methylene chloride)	190	V	µg/L	2	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
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	69,600		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	9,360		µg/L	0	WA
		Manganese	29		µg/L	1	WA
		Mercury	<0.20		µg/L	0	WA
		Methacrylonitrile	<20		µg/L	0	WA
		Methoxychlor	<0.55		µg/L	0	WA
		Methyl ethyl ketone	878	L	µg/L	0	WA
		Methyl ethyl ketone	827		µg/L	0	WA
		Methyl isobutyl ketone	533	L	µg/L	0	WA
		Methyl isobutyl ketone	507		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	102		µg/L	0	WA
		Phenols	130		µg/L	2	WA
		Phenols	129		µg/L	2	WA
		Potassium	<500		µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	6,670		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	14,500		µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	1,950		µg/L	0	WA
■		Tetrachloroethylene	7.3		µg/L	2	WA
		Toluene	72		µg/L	0	WA
		Total dissolved solids	255,000		µg/L	0	WA
		Total organic carbon	96,800		µg/L	2	WA
		Total organic halogens	419		µg/L	2	WA
		Toxaphene	<1.1		µg/L	0	WA
■		Trichloroethylene	15		µg/L	2	WA
		Trichlorofluoromethane	62		µg/L	2	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	129		µg/L	0	WA
		1,1-Dichloroethane	48		µg/L	2	WA
		1,1-Dichloroethylene	1.9	J	µg/L	0	WA
		1,1,1-Trichloroethane	15		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	WA
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,2-Dichloropropane	1.5	J	µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.2		µg/L	0	WA

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

WELL LFW 40 collected on 06/11/93, 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	< 2.2		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.58		µg/L	0	WA
		2,4,5-TP (Silvex)	< 1.1		µg/L	0	WA
		Gross alpha	1.1E+01 ± 3.4E+00		pCi/L	1	TM
		Nonvolatile beta	7.9E+00 ± 2.8E+00		pCi/L	0	TM
		Radium-226	2.6E+00 ± 5.5E-01		pCi/L	0	TM
		Radium-228	3.0E+00 ± 1.4E+00		pCi/L	0	TM
		Tritium	2.4E+00 ± 3.8E-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	Water table
E46626.9	81.705841 °W					

FIELD MEASUREMENTS

Sample date: 06/11/93
 Depth to water: 25.09 ft (7.65 m) below TOC
 Water elevation: 145.41 ft (44.32 m) msl
 Sp. conductance: 17 µS/cm
 Water evacuated before sampling: 150 gal

Time: 11:16
 pH: 5.0
 Alkalinity: 0 mg/L
 Water temperature: 18.7 °C
 Volumes purged: 15.1 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	5.3	J	pH	0	WA
•		Specific conductance	15	J	µS/cm	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	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	216		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	1,720		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

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

WELL LFW 41 collected on 06/11/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		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
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dichlorodifluoromethane	3.5	J	µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 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
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	4.7	J3	µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.058		µg/L	0	WA
		Lindane	< 0.11		µg/L	0	WA
		Magnesium	301		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
		Methoxychlor	< 1.1		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	162		µg/L	0	WA
		Nitrate as nitrogen	182		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	6,330		µg/L	0	WA
		Silver	7.9		µg/L	0	WA
		Sodium	1,490		µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	9,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	36		µg/L	1	WA
		Toxaphene	< 1.1		µg/L	0	WA
		Toxaphene	< 2.2		µg/L	0	WA
		Toxaphene	< 2.2		µg/L	0	WA
		Trichloroethylene	1.1	J	µg/L	0	WA
		Trichlorofluoromethane	19		µg/L	2	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		1,1-Dichloroethane	1.3	J	µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	4.6	J	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 41 collected on 06/11/93, 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-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	WA
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.57		µg/L	0	WA
		Gross alpha	1.7E+00 ± 1.2E+00		pCi/L	0	TM
		Nonvolatile beta	2.7E+00 ± 2.0E+00		pCi/L	0	TM
		Radium-226	3.4E-01 ± 1.9E-01		pCi/L	0	TM
		Radium-228	2.4E+00 ± 1.0E+00		pCi/L	0	TM
		Tritium	2.0E+00 ± 3.6E-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 E46532.9	33.286978 °N 81.707005 °W	151.2-130.2 ft msl	170.1 ft msl	4" PVC	S	Water table

FIELD MEASUREMENTS

Sample date: 06/11/93
 Depth to water: 22.30 ft (6.80 m) below TOC
 Water elevation: 147.80 ft (45.05 m) msl
 Sp. conductance: 17 µS/cm
 Water evacuated before sampling: 236 gal

Time: 10:49
 pH: 5.0
 Alkalinity: 1 mg/L
 Water temperature: 17.5 °C
 Volumes purged: 20.4 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	14	J	µS/cm	0	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		µg/L	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	266		µg/L	0	WA

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

WELL LFW 42 collected on 06/11/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Carbon disulfide	<5.0		µg/L	0	WA
		Carbon tetrachloride	<5.0		µg/L	0	WA
		Chloride	1,700		µg/L	0	WA
		Chloride	1,730		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
		Dibromomethane (Methylene bromide)	<10		µg/L	0	WA
		Dichlorodifluoromethane	3.2	J	µg/L	0	WA
■		Dichloromethane (Methylene chloride)	7.2	V	µg/L	2	WA
		Endrin	<0.11		µg/L	0	WA
		Ethylbenzene	<5.0		µg/L	0	WA
		Fluoride	<100		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	<0.056		µg/L	0	WA
		Magnesium	343		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	<10		µg/L	0	WA
		Nickel	<4.0		µg/L	0	WA
		Nitrate as nitrogen	173		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	6,820		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	1,550		µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		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	35		µg/L	1	WA
		Toxaphene	<1.1		µg/L	0	WA
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichlorofluoromethane	21		µg/L	2	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	<5.0		µg/L	0	WA
		1,1-Dichloroethane	<5.0		µg/L	0	WA
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		1,1,1-Trichloroethane	9.8		µg/L	0	WA

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

WELL LFW 42 collected on 06/11/93, 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>
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.56		µg/L	0	WA
		Gross alpha	1.4E+00 ± 1.1E+00		pCi/L	0	TM
		Nonvolatile beta	3.2E+00 ± 2.1E+00		pCi/L	0	TM
		Radium-226	1.1E+00 ± 3.6E-01		pCi/L	0	TM
		Radium-228	1.9E+00 ± 1.1E+00		pCi/L	0	TM
		Tritium	3.4E+00 ± 4.4E-01		pCi/mL	0	TM

WELL LFW 43B

<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>
N86459.2	33.290800 °N	100.4-90.4 ft msl	203 ft msl	4" PVC	S	Water table
E45240.5	81.715622 °W					

FIELD MEASUREMENTS

Sample date: 06/06/93
 Depth to water: 35.14 ft (10.71 m) below TOC
 Water elevation: 167.86 ft (51.16 m) msl
 Sp. conductance: 24 µS/cm
 Water evacuated before sampling: 220 gal

Time: 12:51
 pH: 5.8
 Alkalinity: 3 mg/L
 Water temperature: 19.5 °C
 Volumes purged: 4.3 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	5.4	J	pH	0	WA
•		Specific conductance	20	J	µS/cm	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	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	7.9		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 43B collected on 06/06/93, 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>
		Calcium	1,760		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
		Chromium	< 4.0		µg/L	0	WA
		Copper	< 4.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
■		Dichloromethane (Methylene chloride)	7.5	V	µg/L	2	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	133		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	307		µg/L	0	WA
		Manganese	7.5	J3	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	864		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	8,190		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,530	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	27,000	V	µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic nalogens	< 5.0		µg/L	0	WA
		Total organic halogens	< 5.0		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		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
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA

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

WELL LFW 43B collected on 06/06/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	WA
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.53		µg/L	0	WA
		Gross alpha	2.2E+00 ± 1.2E+00		pCi/L	0	TM
		Gross alpha	3.2E+00 ± 1.4E+00		pCi/L	0	TM
		Nonvolatile beta	5.3E+00 ± 2.1E+00		pCi/L	0	TM
		Nonvolatile beta	3.4E+00 ± 1.9E+00		pCi/L	0	TM
		Radium-226	7.9E-01 ± 4.0E-01		pCi/L	0	TM
		Radium-226	1.2E+00 ± 3.9E-01		pCi/L	0	TM
		Radium-228	2.3E+00 ± 1.0E+00		pCi/L	0	TM
		Radium-228	<5.0E-01		pCi/L	0	TM
		Tritium	1.4E+00 ± 3.1E-01		pCi/mL	0	TM
		Tritium	1.2E+00 ± 3.0E-01		pCi/mL	0	TM

WELL LFW 43C

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

FIELD MEASUREMENTS

Sample date: 06/06/93
 Depth to water: 34.48 ft (10.51 m) below TOC
 Water elevation: 168.12 ft (51.24 m) msl
 Sp. conductance: 18 µS/cm
 Water evacuated before sampling: 330 gal

Time: 12:23
 pH: 5.1
 Alkalinity: 2 mg/L
 Water temperature: 19.1 °C
 Volumes purged: 12.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.0	J	pH	0	WA
•		Specific conductance	17	J	µS/cm	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-1,2-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
		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
		trans-1,4-Dichloro-2-butene	<100		µg/L	0	WA

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

WELL LFW 43C collected on 06/06/93, 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
		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	4.2	J3	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
		Bromomethane (Methyl bromide)	<10		µg/L	0	WA
		Cadmium	<2.0		µg/L	0	WA
		Calcium	849		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	1,330		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

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

WELL LFW 43C collected on 06/06/93, 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
		Dibromochloromethane	<5.0		µg/L	0	WA
		Dibromochloromethane	<5.0		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
		Dichlorodifluoromethane	<10		µg/L	0	WA
		Dichlorodifluoromethane	<10		µg/L	0	WA
		Dichlorodifluoromethane	<10		µg/L	0	WA
■		Dichloromethane (Methylene chloride)	5.2	V	µg/L	2	WA
		Dichloromethane (Methylene chloride)	<5.0		µg/L	0	WA
■		Dichloromethane (Methylene chloride)	6.9	V	µg/L	2	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
		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	8.6	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	<0.056		µg/L	0	WA
		Magnesium	371		µg/L	0	WA
		Manganese	2.4	J3	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	<0.56		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	512		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	6,220		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	952	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	<1,000		µg/L	0	WA

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WELL LFW 43C collected on 06/06/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		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	18,000	V	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
		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
		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
		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
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 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
		1,1,1-Trichloroethane	< 5.0		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-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
		1,1,2,2-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
		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
		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
		1,2-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
		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
		2-Hexanone	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA

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WELL LFW 43C collected on 06/06/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.54		µg/L	0	WA
		Gross alpha	1.1E+00 ± 9.0E-01		pCi/L	0	TM
		Nonvolatile beta	2.6E+00 ± 1.7E+00		pCi/L	0	TM
		Radium-226	1.2E+00 ± 3.7E-01		pCi/L	0	TM
		Radium-228	1.9E+00 ± 1.1E+00		pCi/L	0	TM
		Tritium	2.6E+00 ± 3.7E-01		pCi/mL	0	TM

WELL LFW 43D

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

FIELD MEASUREMENTS

Sample date: 06/06/93
 Depth to water: 34.09 ft (10.39 m) below TOC
 Water elevation: 168.81 ft (51.45 m) msl
 Sp. conductance: 21 µS/cm
 Water evacuated before sampling: 160 gal

Time: 13:29
 pH: 5.0
 Alkalinity: 1 mg/L
 Water temperature: 19.5 °C
 Volumes purged: 13.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.4	J	pH	0	GE
•		pH	5.3	J	pH	0	GE
•		pH	4.9	J	pH	0	WA
•		pH	4.9	J	pH	0	WA
		Specific conductance	18		µS/cm	0	GE
		Specific conductance	19		µS/cm	0	GE
•		Specific conductance	20	J	µS/cm	0	WA
•		Specific conductance	20	J	µS/cm	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	< 5.0		µg/L	0	WA
		cis-1,3-Dichloropropene	< 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	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 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	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		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	< 100		µg/L	0	WA

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WELL LFW 43D collected on 06/06/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		trans-1,4-Dichloro-2-butene	< 100		µg/L	0	WA
		Acetone	< 100		µg/L	0	GE
		Acetone	< 100		µg/L	0	GE
		Acetone	< 100		µg/L	0	GE
		Acetone	< 10		µg/L	0	WA
		Acetone	< 10		µg/L	0	WA
		Acetonitrile (Methyl cyanide)	< 1.0		µg/L	0	GE
		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	< 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	< 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	< 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	9.4		µg/L	0	GE
		Barium	9.4		µg/L	0	GE
		Barium	8.5		µg/L	0	WA
		Barium	9.1		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	< 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
		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	< 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)	< 10		µg/L	0	WA

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WELL LFW 43D collected on 06/06/93, 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	GE
		Cadmium	< 2.0		µg/L	0	GE
		Cadmium	< 2.0		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Calcium	645		µg/L	0	GE
		Calcium	643		µg/L	0	GE
		Calcium	637		µg/L	0	WA
		Calcium	684		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	< 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	< 1.0		µg/L	0	GE
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	1,920		µg/L	0	GE
		Chloride	1,920		µg/L	0	GE
		Chloride	1,780		µg/L	0	WA
		Chloride	1,790		µg/L	0	WA
		Chlorobenzene	< 1.0		µg/L	0	GE
		Chlorobenzene	< 1.0		µg/L	0	GE
		Chlorobenzene	< 1.0		µg/L	0	GE
		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	< 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)	< 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	< 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)	< 10		µg/L	0	WA
		Chloromethane (Methyl chloride)	1.5	J	µg/L	0	WA
		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

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WELL LFW 43D collected on 06/06/93, 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>
		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	<1.0		µg/L	0	GE
		Dibromochloromethane	<5.0		µg/L	0	WA
		Dibromochloromethane	<5.0		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)	<10		µg/L	0	WA
		Dibromomethane (Methylene bromide)	<10		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	<10		µg/L	0	
		Dichlorodifluoromethane	<10		µg/L	0	
		Dichloromethane (Methylene chloride)	<1.0		µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.0		µg/L	0	GE
		Dichloromethane (Methylene chloride)	1.0		µg/L	0	GE
■		Dichloromethane (Methylene chloride)	5.9	V	µg/L	2	WA
■		Dichloromethane (Methylene chloride)	6.5	V	µg/L	2	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	<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	GE
		Fluoride	<100		µg/L	0	WA
		Fluoride	<100		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)	<10		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	<4.0		µg/L	0	GE
		Iron	<4.0		µg/L	0	GE
		Iron	<4.0		µg/L	0	WA
		Iron	4.5	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	<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

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WELL LFW 43D collected on 06/06/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		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	618		µg/L	0	GE
		Magnesium	619		µg/L	0	GE
		Magnesium	612		µg/L	0	WA
		Magnesium	651		µg/L	0	WA
		Manganese	7.0		µg/L	0	GE
		Manganese	6.9		µg/L	0	GE
		Manganese	7.5	J3	µg/L	0	WA
		Manganese	7.7	J3	µg/L	0	WA
		Mercury	<0.20		µg/L	0	GE
		Mercury	<0.20		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	<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	<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	<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
		Nitrate as nitrogen	609		µg/L	0	WA
		Nitrate as nitrogen	642		µg/L	0	WA
		Nitrate-nitrite as nitrogen	700		µg/L	0	GE
		Nitrate-nitrite as nitrogen	680		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	<50		µg/L	0	WA

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

WELL LFW 43D collected on 06/06/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0	J1	µg/L	0	GE
		Selenium	< 2.0	J1	µg/L	0	GE
		Selenium	< 2.0		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	5,700		µg/L	0	GE
		Silica	5,710		µg/L	0	GE
		Silica	5,210		µg/L	0	WA
		Silica	5,540		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	1,120		µg/L	0	GE
		Sodium	1,110		µg/L	0	GE
		Sodium	1,070	V	µg/L	0	WA
		Sodium	1,200	V	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	< 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
		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	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	11,000		µg/L	0	GE
		Total dissolved solids	22,000		µg/L	0	GE
		Total dissolved solids	20,000	V	µg/L	0	WA
		Total dissolved solids	23,000	V	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	J	µg/L	0	GE
•		Total organic halogens	< 5.0	J	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
		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

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WELL LFW 43D collected on 06/06/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		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	<5.0		µg/L	0	WA
		Trichlorofluoromethane	<5.0		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	<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	<5.0		µg/L	0	WA
		Xylenes	<5.0		µg/L	0	WA
		1,1-Dichloroethane	<1.0		µg/L	0	GE
		1,1-Dichloroethane	<1.0		µg/L	0	GE
		1,1-Dichloroethane	<1.0		µg/L	0	GE
		1,1-Dichloroethane	<5.0		µg/L	0	WA
		1,1-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	<5.0		µg/L	0	WA
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		1,1,1-Trichloroethane	<1.0		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0		µg/L	0	GE
		1,1,1-Trichloroethane	<1.0		µg/L	0	GE
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0		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	<10		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		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	<5.0		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<1.0		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<1.0		µg/L	0	GE
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<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	<20		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	GE

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

WELL LFW 43D collected on 06/06/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		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
		1,2-Dichloroethane	< 1.0		µg/L	0	GE
		1,2-Dichloroethane	< 1.0		µg/L	0	GE
		1,2-Dichloroethane	< 1.0		µg/L	0	GE
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 1.0		µg/L	0	GE
		1,2-Dichloropropane	< 1.0		µg/L	0	GE
		1,2-Dichloropropane	< 1.0		µg/L	0	GE
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 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	< 10		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		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	< 10		µg/L	0	WA
		2-Hexanone	< 10		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	< 1.0		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 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)	< 0.52		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.54		µg/L	0	WA
		Gross alpha	3.4E+00 ± 1.3E+00		pCi/L	0	GE
		Gross alpha	3.3E+00 ± 1.2E+00		pCi/L	0	GE
		Gross alpha	8.0E-01 ± 8.0E-01		pCi/L	0	TM
		Gross alpha	8.0E-01 ± 8.0E-01		pCi/L	0	TM
		Nonvolatile beta	5.8E+00 ± 1.4E+00		pCi/L	0	GE
		Nonvolatile beta	4.0E+00 ± 1.2E+00		pCi/L	0	GE
		Nonvolatile beta	5.9E+00 ± 2.0E+00		pCi/L	0	TM
		Nonvolatile beta	3.9E+00 ± 1.8E+00		pCi/L	0	TM
		Radium-226	5.0E-01 ± 2.5E-01		pCi/L	0	TM
		Radium-226	7.4E-01 ± 3.1E-01		pCi/L	0	TM
		Radium-228	6.2E+00 ± 1.5E+00		pCi/L	0	TM
		Radium-228	5.4E+00 ± 1.5E+00		pCi/L	0	TM
		Radium, total alpha-emitting	3.4E+00 ± 9.0E-01		pCi/L	0	GE
		Radium, total alpha-emitting	1.5E+00 ± 6.0E-01		pCi/L	0	GE
		Tritium	< 7.0E-01		pCi/mL	0	GE
		Tritium	< 7.0E-01		pCi/mL	0	GE
		Tritium	1.3E+00 ± 3.0E-01		pCi/mL	0	TM
		Tritium	1.5E+00 ± 3.1E-01		pCi/mL	0	TM

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WELL LFW 44D

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

FIELD MEASUREMENTS

Sample date: 06/16/93
 Depth to water: 14.41 ft (4.39 m) below TOC
 Water elevation: 155.89 ft (47.52 m) msl
 Sp. conductance: 24 μ S/cm
 Water evacuated before sampling: 156 gal

Time: 13:14
 pH: 4.8
 Alkalinity: 0 mg/L
 Water temperature: 18.1 °C
 Volumes purged: 14.5 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
		cis-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	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	492		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	2,190		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
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		Dichlorodifluoromethane	< 10		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		μ g/L	0	WA
		Endrin	< 0.11		μ g/L	0	WA
		Ethylbenzene	< 5.0		μ g/L	0	WA
		Fluoride	< 100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	< 10		μ g/L	0	WA
		Iron	14	J3	μ g/L	0	WA

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WELL LFW 44D collected on 06/16/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.054		µg/L	0	WA
		Magnesium	436		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	552	V	µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	772	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	6,060		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,390	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		Tetrachloroethylene	< 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	< 5.0		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		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
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		Gross alpha	2.4E+00 ± 1.3E+00		pCi/L	0	TM
		Nonvolatile beta	7.2E+00 ± 2.2E+00		pCi/L	0	TM
		Radium-226	9.3E-01 ± 3.0E-01		pCi/L	0	TM
		Radium-228	3.0E+00 ± 1.5E+00		pCi/L	0	TM
		Tritium	3.0E+00 ± 4.3E-01		pCi/mL	0	TM

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

WELL LFW 45D

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

FIELD MEASUREMENTS

Sample date: 06/16/93
 Depth to water: 12.95 ft (3.95 m) below TOC
 Water elevation: 153.35 ft (46.74 m) msl
 Sp. conductance: 33 μ S/cm
 Water evacuated before sampling: 98 gal

Time: 12:38
 pH: 4.9
 Alkalinity: 0 mg/L
 Water temperature: 18.0 °C
 Volumes purged: 8.0 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	23	J	μ S/cm	0	WA
•		Specific conductance	24	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	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	3.3	J3	μ g/L	0	WA
		Barium	6.1		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	1,290		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	1,970		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)	1.1	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
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		Endrin	<0.11		μ g/L	0	WA
		Ethylbenzene	<5.0		μ g/L	0	WA
		Fluoride	<100		μ g/L	0	WA

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

WELL LFW 45D collected on 06/16/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	97		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	551		µg/L	0	WA
		Manganese	3.9	J3	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	V	µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	714	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	5,800		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,870	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	3,030		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 carbon	< 1,000		µg/L	0	WA
		Total organic halogens	< 5.0		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		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
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.56		µg/L	0	WA
		Gross alpha	1.9E+00 ± 1.3E+00		pCi/L	0	TM
		Nonvolatile beta	3.3E+00 ± 1.9E+00		pCi/L	0	TM
		Radium-226	1.1E+00 ± 3.3E-01		pCi/L	0	TM
		Radium-228	1.2E+00 ± 1.6E+00		pCi/L	0	TM
		Tritium	3.0E+00 ± 4.4E-01		pCi/mL	0	TM

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

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 E45162.8	33.285356 °N 81.711152 °W	157.1-137.3 ft msl	165.1 ft msl	4" PVC	S	Water table

FIELD MEASUREMENTS

Sample date: 06/14/93
 Depth to water: 12.77 ft (3.89 m) below TOC
 Water elevation: 152.33 ft (46.43 m) msl
 Sp. conductance: 82 μ S/cm
 Water evacuated before sampling: 261 gal

Time: 14:09
 pH: 5.5
 Alkalinity: 1 mg/L
 Water temperature: 16.8 °C
 Volumes purged: 26.5 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	5.5	J	pH	0	WA
•		Specific conductance	75	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		cis-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		cis-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	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

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

WELL LFW 46D collected on 06/14/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Bromomethane (Methyl bromide)	< 10		µg/L	0	WA
		Cadmium	< 2.0		µg/L	0	WA
		Calcium	6,540		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	3,560		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
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		Dichlorodifluoromethane	< 10		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
		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
		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	43		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

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

WELL LFW 46D collected on 06/14/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Lindane	<0.055		µg/L	0	WA
		Magnesium	2,720		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	243		µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Potassium	915		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	5,400		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	1,720	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	19,900		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	77,000	V	µg/L	0	WA
		Total organic carbon	<1,000		µg/L	0	WA
		Total organic halogens	17		µg/L	0	WA
		Toxaphene	<1.1		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
		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
		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
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		1,1-Dichloroethylene	<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

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

WELL LFW 46D collected on 06/14/93, 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>
		1,1,1-Trichloroethane	< 5.0		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-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
		1,1,2,2-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
		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
		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
		1,2-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
		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
		2-Hexanone	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.58		µg/L	0	WA
		Gross alpha	4.5E+00 ± 1.7E+00		pCi/L	0	TM
		Nonvolatile beta	9.4E+00 ± 2.4E+00		pCi/L	0	TM
		Radium-226	1.5E+00 ± 3.8E-01		pCi/L	0	TM
		Radium-228	5.0E+00 ± 1.6E+00		pCi/L	0	TM
		Tritium	2.8E+00 ± 3.8E-01		pCi/mL	0	TM

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

WELL LFW 47C

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

FIELD MEASUREMENTS

Sample date: 06/14/93
 Depth to water: 11.96 ft (3.65 m) below TOC
 Water elevation: 149.44 ft (45.55 m) msl
 Sp. conductance: 27 μ S/cm
 Water evacuated before sampling: 312 gal

Time: 12:49
 pH: 5.2
 Alkalinity: 1 mg/L
 Water temperature: 18.4 °C
 Volumes purged: 10.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.2	J	pH	0	WA
•		Specific conductance	24	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	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	792		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	2,160		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
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		Dichlorodifluoromethane	< 10		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		μ g/L	0	WA
		Endrin	< 0.11		μ g/L	0	WA
		Ethylbenzene	< 5.0		μ g/L	0	WA
		Fluoride	< 100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	< 10		μ g/L	0	WA
		Iron	< 4.0		μ g/L	0	WA

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

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WELL LFW 47C collected on 06/14/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	1,110		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	361		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	7,410		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
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	46,000	V	µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	12		µg/L	0	WA
		Total organic halogens	10		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		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
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		Gross alpha	4.3E+00 ± 1.6E+00		pCi/L	0	TM
		Nonvolatile beta	4.9E+00 ± 2.0E+00		pCi/L	0	TM
		Radium-226	1.6E+00 ± 3.8E-01		pCi/L	0	TM
		Radium-228	1.4E+00 ± 1.4E+00		pCi/L	0	TM
		Tritium	2.5E+00 ± 3.7E-01		pCi/mL	0	TM

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

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 E45167.9	33.284933 °N 81.710760 °W	154.7-134.9 ft msl	161.7 ft msl	4" PVC	S	Water table

FIELD MEASUREMENTS

Sample date: 06/14/93
 Depth to water: 11.59 ft (3.53 m) below TOC
 Water elevation: 150.11 ft (45.75 m) msl
 Sp. conductance: 25 μ S/cm
 Water evacuated before sampling: 167 gal

Time: 12:34
 pH: 5.2
 Alkalinity: 1 mg/L
 Water temperature: 17.8 °C
 Volumes purged: 16.7 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	5.3	J	pH	0	WA
•		Specific conductance	23	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	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	13		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	1,470		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	1,790	J1	μ g/L	0	WA
		Chloride	1,790	J1	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
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		Dichlorodifluoromethane	< 10		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		μ g/L	0	WA
		Endrin	< 0.12		μ g/L	0	WA
		Ethylbenzene	< 5.0		μ g/L	0	WA
		Fluoride	< 100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	< 10		μ g/L	0	WA

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

WELL LFW 47D collected on 06/14/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Iron	8.5	J3	µg/L	0	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.058		µg/L	0	WA
		Magnesium	669		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	82		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	840	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	4,460		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	802	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	3,370		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	43,000	V	µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	9.0		µg/L	0	WA
		Toxaphene	< 1.2		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		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
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		Gross alpha	< 5.0E-01		pCi/L	0	TM
		Nonvolatile beta	1.1E+00 ± 1.6E+00		pCi/L	0	TM
		Radium-226	< 2.7E-01		pCi/L	0	TM
		Radium-228	4.8E+00 ± 1.5E+00		pCi/L	0	TM
		Tritium	2.6E+00 ± 3.9E-01		pCi/mL	0	TM

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

WELL LFW 48C

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

FIELD MEASUREMENTS

Sample date: 06/11/93
 Depth to water: 20.18 ft (6.15 m) below TOC
 Water elevation: 149.12 ft (45.45 m) msl
 Sp. conductance: 27 μ S/cm
 Water evacuated before sampling: 270 gal

Time: 14:11
 pH: 5.5
 Alkalinity: 1 mg/L
 Water temperature: 19.3 °C
 Volumes purged: 10.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.3	J	pH	0	WA
•		Specific conductance	20	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	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	11		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	939		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	2,340		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
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		Endrin	<0.11		μ g/L	0	WA
		Ethylbenzene	<5.0		μ g/L	0	WA
		Fluoride	<100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	<10		μ g/L	0	WA
		Iron	12	J3	μ g/L	0	WA

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

WELL LFW 48C collected on 06/11/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.056		µg/L	0	WA
		Magnesium	392		µg/L	0	WA
		Manganese	12		µg/L	0	WA
■		Mercury	3.2		µg/L	2	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	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	580		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	627	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	6,540		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,990		µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		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	16		µg/L	0	WA
		Total organic halogens	17		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		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
		1,1-Dichloroethane	1.5	J	µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.56		µg/L	0	WA
		Gross alpha	9.0E-01 ± 9.0E-01		pCi/L	0	TM
		Nonvolatile beta	1.4E+00 ± 1.9E+00		pCi/L	0	TM
		Radium-226	5.4E-01 ± 2.5E-01		pCi/L	0	TM
		Radium-228	< 2.0E-01		pCi/L	0	TM
		Tritium	3.3E+00 ± 4.3E-01		pCi/mL	0	TM

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

WELL LFW 48D

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

FIELD MEASUREMENTS

Sample date: 06/11/93
 Depth to water: 20.07 ft (6.12 m) below TOC
 Water elevation: 149.43 ft (45.55 m) msl
 Sp. conductance: 396 μ S/cm
 Water evacuated before sampling: 100 gal

Time: 13:56
 pH: 6.9
 Alkalinity: 144 mg/L
 Water temperature: 18.5 °C
 Volumes purged: 10.5 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	6.2	J	pH	0	WA
•		pH	6.2	J	pH	0	WA
•		Specific conductance	255	J	μ S/cm	1	WA
•		Specific conductance	255	J	μ S/cm	1	WA
		cis-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	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	7.9		μ g/L	0	WA
		Barium	4.9	J3	μ g/L	0	WA
		Benzene	3.5	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	6,640		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	28,000		μ g/L	0	WA
		Chlorobenzene	43		μ g/L	0	WA
		Chloroethane	10		μ g/L	2	WA
■		Chloroethene (Vinyl chloride)	129		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
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		Dichlorodifluoromethane	< 10		μ g/L	0	WA
■		Dichloromethane (Methylene chloride)	5.5	V	μ g/L	2	WA
		Endrin	< 0.11		μ g/L	0	WA
		Ethylbenzene	12		μ g/L	0	WA
		Fluoride	237		μ g/L	0	WA

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

WELL LFW 48D collected on 06/11/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Fluoride	233		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	45,400		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	12,200		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	91		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	1,600		µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	5,570		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	25,400		µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	145,000		µg/L	0	WA
		Total organic carbon	7,800		µg/L	1	WA
		Total organic halogens	357		µg/L	2	WA
		Toxaphene	< 1.1		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		µg/L	0	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	19		µg/L	0	WA
		1,1-Dichloroethane	54		µg/L	2	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	4.5	J	µg/L	1	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.56		µg/L	0	WA
		Gross alpha	2.5E+00 ± 1.7E+00		pCi/L	0	TM
		Nonvolatile beta	5.3E+00 ± 2.6E+00		pCi/L	0	TM
		Radium-226	1.1E+00 ± 4.2E-01		pCi/L	0	TM
		Radium-228	2.6E+00 ± 1.6E+00		pCi/L	0	TM
		Tritium	9.1E+00 ± 6.7E-01		pCi/mL	0	TM

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

WELL LFW 55C

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

FIELD MEASUREMENTS

Sample date: 06/16/93
 Depth to water: 9.28 ft (2.83 m) below TOC
 Water elevation: 147.12 ft (44.84 m) msl
 Sp. conductance: 32 μ S/cm
 Water evacuated before sampling: 173 gal

Time: 13:33
 pH: 5.0
 Alkalinity: 1 mg/L
 Water temperature: 19.1 °C
 Volumes purged: 5.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.4	J	pH	0	GE
•		pH	5.3	J	pH	0	GE
•		pH	5.7	J	pH	0	WA
•		pH	5.2	J	pH	0	WA
		Specific conductance	31		μ S/cm	0	GE
		Specific conductance	32		μ S/cm	0	GE
		Specific conductance	31		μ S/cm	0	GE
•		Specific conductance	26	J	μ S/cm	0	WA
•		Specific conductance	26	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	< 1.0		μ g/L	0	GE
		cis-1,3-Dichloropropene	< 1.0		μ g/L	0	GE
		cis-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 1.0		μ g/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0		μ g/L	0	GE
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	< 1.0		μ g/L	0	GE
		trans-1,3-Dichloropropene	< 1.0		μ g/L	0	GE
		trans-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 30		μ g/L	0	GE
		trans-1,4-Dichloro-2-butene	< 30		μ g/L	0	GE
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	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

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WELL LFW 55C collected on 06/16/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		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	4.0	J3	µg/L	0	WA
		Barium	3.2		µg/L	0	GE
		Barium	3.2		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	< 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	900		µg/L	0	GE
		Calcium	901		µg/L	0	GE
		Calcium	922		µg/L	0	WA
		Calcium	914		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	2,460		µg/L	0	GE
		Chloride	2,390		µg/L	0	GE
		Chloride	2,090		µg/L	0	WA
		Chloride	2,060		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

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WELL LFW 55C collected on 06/16/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		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)	6.7	J	µg/L	1	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
		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
		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
		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
		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

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WELL LFW 55C collected on 06/16/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		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	7.2		µg/L	0	GE
		Iron	5.9		µg/L	0	GE
		Iron	9.7	J3	µg/L	0	WA
		Iron	11	J3	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	1,170		µg/L	0	GE
		Magnesium	1,180		µg/L	0	GE
		Magnesium	1,140		µg/L	0	WA
		Magnesium	1,130		µg/L	0	WA
		Manganese	3.8		µg/L	0	GE
		Manganese	3.7		µg/L	0	GE
		Manganese	3.9	J3	µg/L	0	WA
		Manganese	3.5	J3	µg/L	0	WA
		Mercury	< 0.20		µg/L	0	GE
		Mercury	< 0.20		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	< 4.0		µg/L	0	GE
		Nickel	< 4.0		µg/L	0	GE
		Nickel	< 4.0		µg/L	0	WA
		Nickel	7.4	J3	µg/L	0	WA
		Nitrate as nitrogen	1,010	V	µg/L	0	WA
		Nitrate as nitrogen	902	V	µg/L	0	WA
		Nitrate-nitrite as nitrogen	1,120		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,120		µg/L	0	GE

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WELL LFW 55C collected on 06/16/93, 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>
		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	< 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	8,310		µg/L	0	GE
		Silica	8,320		µg/L	0	GE
		Silica	7,520		µg/L	0	WA
		Silica	7,570		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	2,100		µg/L	0	GE
		Sodium	2,100		µg/L	0	GE
		Sodium	2,070	V	µg/L	0	WA
		Sodium	2,050	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	< 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
		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	40,000	V	µg/L	0	GE
		Total dissolved solids	33,000	V	µg/L	0	GE
		Total dissolved solids	2,000		µg/L	0	WA
		Total dissolved solids	5,000		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	GE
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	24		µg/L	0	GE
		Total organic halogens	< 5.0		µg/L	0	GE

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WELL LFW 55C collected on 06/16/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Total organic halogens	< 5.0		µg/L	0	GE
		Total organic halogens	< 5.0		µg/L	0	WA
		Total organic halogens	8.5		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
		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
		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
		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
		1,1-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
		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
		1,1,1,2-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-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
		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
		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

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WELL LFW 55C collected on 06/16/93, 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-Dibromoethane	< 20		µg/L	0	GE
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		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
		1,2-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
		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
		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
		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
		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)	< 0.55		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		Gross alpha	2.6E+00 ± 9.8E-01		pCi/L	0	GE
		Gross alpha	< 2.0E+00		pCi/L	0	GE
		Gross alpha	2.9E+00 ± 1.5E+00		pCi/L	0	TM
		Gross alpha	3.1E+00 ± 1.5E+00		pCi/L	0	TM
		Nonvolatile beta	< 2.0E+00		pCi/L	0	GE
		Nonvolatile beta	< 2.0E+00		pCi/L	0	GE
		Nonvolatile beta	2.4E+00 ± 1.8E+00		pCi/L	0	TM
		Nonvolatile beta	4.8E+00 ± 2.0E+00		pCi/L	0	TM
		Radium-226	6.8E-01 ± 2.7E-01		pCi/L	0	TM
		Radium-226	1.1E+00 ± 3.4E-01		pCi/L	0	TM
		Radium-226	1.8E+00 ± 4.7E-01		pCi/L	0	TM
		Radium-228	2.2E+00 ± 1.6E+00		pCi/L	0	TM
		Radium-228	< 6.0E-01		pCi/L	0	TM
		Radium-228	1.0E-01 ± 1.1E+00		pCi/L	0	TM
		Radium, total alpha-emitting	1.7E+00 ± 6.0E-01		pCi/L	0	GE
		Radium, total alpha-emitting	1.7E+00 ± 6.0E-01		pCi/L	0	GE
		Tritium	1.1E+00 ± 3.1E-01		pCi/mL	0	GE
		Tritium	7.2E-01 ± 3.0E-01		pCi/mL	0	GE
		Tritium	2.2E+00 ± 3.9E-01		pCi/mL	0	TM
		Tritium	2.1E+00 ± 5.1E-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	Water table

FIELD MEASUREMENTS

Sample date: 06/16/93
 Depth to water: 8.25 ft (2.51 m) below TOC
 Water elevation: 147.15 ft (44.85 m) msl
 Sp. conductance: 35 μ S/cm
 Water evacuated before sampling: 187 gal

Time: 13:13
 pH: 5.1
 Alkalinity: 1 mg/L
 Water temperature: 18.5 °C
 Volumes purged: 11.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.3	J	pH	0	WA
•		Specific conductance	29	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	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	5.8		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	1,590		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	2,100		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)	1.5	J	μ g/L	0	WA
		Chloroprene	<20		μ g/L	0	WA
		Chromium	<4.0		μ g/L	0	WA
		Copper	7.8		μ g/L	0	WA
		Dibromochloromethane	<5.0		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		Endrin	<0.11		μ g/L	0	WA
		Ethylbenzene	<5.0		μ g/L	0	WA
		Fluoride	<100		μ g/L	0	WA
		Fluoride	<100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	<10		μ g/L	0	WA

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

WELL LFW 55D collected on 06/16/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Iron	46		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	1,290		µg/L	0	WA
		Manganese	3.9	J3	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	209	V	µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Potassium	691	J3	µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	5,730		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	1,270	V	µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	4,770		µg/L	0	WA
		Tetrachloroethylene	<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	<5.0		µg/L	0	WA
		Toxaphene	<1.1		µg/L	0	WA
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichlorofluoromethane	<5.0		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
		1,1-Dichloroethane	<5.0		µg/L	0	WA
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	WA
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55		µg/L	0	WA
		Gross alpha	2.2E+00 ± 1.4E+00		pCi/L	0	TM
		Gross alpha	4.1E+00 ± 1.7E+00		pCi/L	0	TM
		Nonvolatile beta	4.9E+00 ± 2.1E+00		pCi/L	0	TM
		Nonvolatile beta	3.1E+00 ± 1.8E+00		pCi/L	0	TM
		Radium-226	1.4E+00 ± 5.5E-01		pCi/L	0	TM
		Radium-226	1.1E+00 ± 3.5E-01		pCi/L	0	TM
		Radium-228	3.6E+00 ± 1.1E+00		pCi/L	0	TM
		Radium-228	2.3E+00 ± 2.3E+00		pCi/L	0	TM
		Tritium	2.0E+00 ± 1.3E-01		pCi/mL	0	TM

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

WELL LFW 55D collected on 06/16/93, 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	1.8E + 00 ± 3.5E-01		pCi/mL	0	TM

WELL LFW 56D

<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>
N83398.0	33.284140 °N	151.4-131.3 ft msl	158.1 ft msl	4" PVC	S	Water table
E45306.6	81.709498 °W					

FIELD MEASUREMENTS

Sample date: 06/14/93

Depth to water: 12.15 ft (3.70 m) below TOC

Water elevation: 145.95 ft (44.49 m) msl

Sp. conductance: 17 µS/cm

Water evacuated before sampling: 116 gal

Time: 11:32

pH: 4.8

Alkalinity: 0 mg/L

Water temperature: 16.6 °C

Volumes purged: 12.1 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	5.0	J	pH	0	WA
•		Specific conductance	15	J	µS/cm	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	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	364		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	1,780		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
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA

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

WELL LFW 56D collected on 06/14/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Dichloromethane (Methylene chloride)	<5.0		µg/L	0	WA
		Endrin	<0.12		µg/L	0	WA
		Ethylbenzene	<5.0		µg/L	0	WA
		Fluoride	<100		µg/L	0	WA
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	8.4	J3	µg/L	0	WA
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	4.2	J3	µg/L	0	WA
		Lindane	<0.058		µg/L	0	WA
		Magnesium	376		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	83		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	4,990		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	1,070	V	µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		Tetrachloroethylene	<5.0		µg/L	0	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	29,000	V	µg/L	0	WA
		Total organic carbon	<1,000		µg/L	0	WA
		Total organic halogens	5.1		µg/L	0	WA
		Toxaphene	<1.2		µg/L	0	WA
		Trichloroethylene	<5.0		µg/L	0	WA
		Trichlorofluoromethane	<5.0		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
		1,1-Dichloroethane	<5.0		µg/L	0	WA
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		1,1,1-Trichloroethane	<5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	WA
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.55		µg/L	0	WA
		Gross alpha	8.0E-01 ± 9.0E-01		pCi/L	0	TM
		Nonvolatile beta	3.1E+00 ± 1.8E+00		pCi/L	0	TM
		Radium-226	4.1E-01 ± 2.1E-01		pCi/L	0	TM
		Radium-228	2.3E+00 ± 1.1E+00		pCi/L	0	TM
		Tritium	5.0E+00 ± 5.0E-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 E45440.6	33.283914 °N 81.708754 °W	78.4-68.4 ft msl	165.4 ft msl	4" PVC	S	Water table

FIELD MEASUREMENTS

Sample date: 06/14/93
 Depth to water: 21.49 ft (6.55 m) below TOC
 Water elevation: 143.91 ft (43.86 m) msl
 Sp. conductance: 60 μ S/cm
 Water evacuated before sampling: 341 gal

Time: 10:28
 pH: 4.1
 Alkalinity: 0 mg/L
 Water temperature: 19.3 °C
 Volumes purged: 6.9 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	4.1	J	pH	0	WA
•		Specific conductance	55	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	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	4.4	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	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	1,660		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
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		Dichlorodifluoromethane	< 10		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		μ g/L	0	WA
		Endrin	< 0.11		μ g/L	0	WA
		Ethylbenzene	< 5.0		μ g/L	0	WA
		Fluoride	< 100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	< 10		μ g/L	0	WA
		Iron	18		μ g/L	0	WA

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

WELL LFW 57B collected on 06/14/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.053		µg/L	0	WA
		Magnesium	363		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	5.0	J3	µg/L	0	WA
		Nitrate as nitrogen	873		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	513	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	8,250		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,670	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	11,600		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	57,000	V	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
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		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
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		Gross alpha	1.1E+01 ± 2.4E+00		pCi/L	1	TM
		Nonvolatile beta	1.2E+01 ± 2.6E+00		pCi/L	0	TM
		Radium-226	3.4E+00 ± 6.2E-01		pCi/L	0	TM
		Radium-228	2.5E+00 ± 1.0E+00		pCi/L	0	TM
		Tritium	1.0E+00 ± 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	33.283873 °N	117.9-107.8 ft msl	165 ft msl	4" PVC	S	Water table
E45411.1	81.708838 °W					

FIELD MEASUREMENTS

Sample date: 06/14/93
 Depth to water: 21.04 ft (6.41 m) below TOC
 Water elevation: 143.96 ft (43.88 m) msl
 Sp. conductance: 29 μ S/cm
 Water evacuated before sampling: 180 gal

Time: 10:42
 pH: 5.4
 Alkalinity: 1 mg/L
 Water temperature: 18.9 °C
 Volumes purged: 7.6 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.4	J	pH	0	WA
•		Specific conductance	28	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	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	4.6	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	954		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	2,180		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
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		Dichlorodifluoromethane	< 10		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	< 5.0		μ g/L	0	WA
		Endrin	< 0.11		μ g/L	0	WA
		Ethylbenzene	< 5.0		μ g/L	0	WA
		Fluoride	< 100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	< 10		μ g/L	0	WA
		Iron	7.1	J3	μ g/L	0	WA

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

WELL LFW 57C collected on 06/14/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.058		µg/L	0	WA
		Magnesium	910		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	4.7	J3	µg/L	0	WA
		Nitrate as nitrogen	841		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	7,220		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,840	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	35,000	V	µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	11		µg/L	0	WA
		Total organic halogens	11		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		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
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.57		µg/L	0	WA
		Gross alpha	2.5E + 00 ± 1.3E + 00		pCi/L	0	TM
		Nonvolatile beta	2.7E + 00 ± 1.8E + 00		pCi/L	0	TM
		Radium-226	1.2E + 00 ± 3.5E - 01		pCi/L	0	TM
		Radium-228	4.3E + 00 ± 1.5E + 00		pCi/L	0	TM
		Tritium	2.4E + 00 ± 3.6E - 01		pCi/mL	0	TM

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

WELL LFW 57D

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

FIELD MEASUREMENTS

Sample date: 06/14/93
 Depth to water: 20.82 ft (6.35 m) below TOC
 Water elevation: 143.98 ft (43.89 m) msl
 Sp. conductance: 55 µS/cm
 Water evacuated before sampling: 86 gal

Time: 10:14
 pH: 5.9
 Alkalinity: 5 mg/L
 Water temperature: 17.8 °C
 Volumes purged: 9.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.9	J	pH	0	WA
•		Specific conductance	48	J	µS/cm	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	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	1,230		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	4,900		µg/L	0	WA
		Chlorobenzene	2.2	J	µg/L	0	WA
		Chloroethane	1.5	J	µg/L	0	WA
■		Chloroethene (Vinyl chloride)	6.5	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
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dichlorodifluoromethane	< 10		µg/L	0	WA
		Dichloromethane (Methylene chloride)	< 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
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	21		µg/L	0	WA

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

WELL LFW 57D collected on 06/14/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	2,290		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	61		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	4,930		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	4,670	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	38,000	V	µg/L	0	WA
		Total organic carbon	1,210		µg/L	0	WA
		Total organic halogens	138		µg/L	2	WA
		Toxaphene	< 1.1		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		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
		1,1-Dichloroethane	23		µg/L	2	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		Gross alpha	2.2E+00 ± 1.2E+00		pCi/L	0	TM
		Nonvolatile beta	3.2E+00 ± 1.9E+00		pCi/L	0	TM
		Radium-226	< 2.8E-01		pCi/L	0	TM
		Radium-228	8.0E-01 ± 9.0E-01		pCi/L	0	TM
		Tritium	3.2E+00 ± 4.2E-01		pCi/mL	0	TM

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

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	Water table

FIELD MEASUREMENTS

Sample date: 06/16/93
 Depth to water: 25.59 ft (7.80 m) below TOC
 Water elevation: 142.01 ft (43.29 m) msl
 Sp. conductance: 81 μ S/cm
 Water evacuated before sampling: 60 gal

Time: 11:28
 pH: 4.7
 Alkalinity: 0 mg/L
 Water temperature: 18.8 °C
 Volumes purged: 6.3 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	4.9	J	pH	0	WA
•		Specific conductance	66	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	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	6.7		μ g/L	0	WA
		Benzene	4.5	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	1,170		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	15,500		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
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		Dichlorodifluoromethane	31		μ g/L	2	WA
■		Dichloromethane (Methylene chloride)	56	V	μ g/L	2	WA
		Endrin	< 0.11		μ g/L	0	WA
		Ethylbenzene	< 5.0		μ g/L	0	WA
		Fluoride	< 100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	< 10		μ g/L	0	WA
		Iron	14	J3	μ g/L	0	WA

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

WELL LFW 58D collected on 06/16/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Isobutyl alcohol	<20		µg/L	0	WA
		Lead	<3.0		µg/L	0	WA
		Lindane	<0.055		µg/L	0	WA
		Magnesium	1,280		µg/L	0	WA
		Manganese	7.0	J3	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	157	V	µg/L	0	WA
		Phenols	<5.0		µg/L	0	WA
		Potassium	558	J3	µg/L	0	WA
		Propionitrile	<50		µg/L	0	WA
		Selenium	<2.0		µg/L	0	WA
		Silica	11,600		µg/L	0	WA
		Silver	<2.0		µg/L	0	WA
		Sodium	8,740	V	µg/L	0	WA
		Styrene	<5.0		µg/L	0	WA
		Sulfate	<1,000		µg/L	0	WA
		Tetrachloroethylene	3.7	J	µg/L	1	WA
		Toluene	<5.0		µg/L	0	WA
		Total dissolved solids	27,000		µg/L	0	WA
		Total organic carbon	1,660		µg/L	0	WA
		Total organic halogens	420		µg/L	2	WA
		Toxaphene	<1.1		µg/L	0	WA
■		Trichloroethylene	13		µg/L	2	WA
		Trichlorofluoromethane	58		µg/L	2	WA
		Vanadium	<3.0		µg/L	0	WA
		Vinyl acetate	<10		µg/L	0	WA
		Xylenes	3.4	J	µg/L	0	WA
		1,1-Dichloroethane	77		µg/L	2	WA
		1,1-Dichloroethylene	<5.0		µg/L	0	WA
		1,1,1-Trichloroethane	15		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	<10		µg/L	0	WA
		1,1,2-Trichloroethane	<5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	<5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	<20		µg/L	0	WA
		1,2-Dibromoethane	<20		µg/L	0	WA
		1,2-Dichloroethane	<5.0		µg/L	0	WA
		1,2-Dichloropropane	<5.0		µg/L	0	WA
		1,2,3-Trichloropropane	<10		µg/L	0	WA
		2-Hexanone	<10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	<1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	<0.57		µg/L	0	WA
		Gross alpha	2.3E+00 ± 1.5E+00		pCi/L	0	TM
		Nonvolatile beta	4.3E+00 ± 2.0E+00		pCi/L	0	TM
		Radium-226	9.4E-01 ± 3.2E-01		pCi/L	0	TM
		Radium-228	3.5E+00 ± 1.4E+00		pCi/L	0	TM
		Tritium	6.3E+00 ± 3.2E-01		pCi/mL	0	TM

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

WELL LFW 59B

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

FIELD MEASUREMENTS

Sample date: 06/16/93
 Depth to water: 25.10 ft (7.65 m) below TOC
 Water elevation: 143.00 ft (43.59 m) msl
 Sp. conductance: 61 μ S/cm
 Water evacuated before sampling: 259 gal

Time: 10:19
 pH: 4.0
 Alkalinity: 0 mg/L
 Water temperature: 19.8 °C
 Volumes purged: 5.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	4.1	J	pH	0	WA
•		Specific conductance	47	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	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	643		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	1,510		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)	5.2	J	μ g/L	1	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
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		Dichlorodifluoromethane	<10		μ g/L	0	WA
		Dichloromethane (Methylene chloride)	<5.0		μ g/L	0	WA
		Endrin	<0.11		μ g/L	0	WA
		Ethylbenzene	<5.0		μ g/L	0	WA
		Fluoride	<100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	<10		μ g/L	0	WA
		Iron	25		μ g/L	0	WA

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

WELL LFW 59B collected on 06/16/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	308		µg/L	0	WA
		Manganese	9.5		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	4.3	J3	µg/L	0	WA
		Nitrate as nitrogen	455	V	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	9,630		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,360	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	10,900		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	< 5.0		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		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
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		Gross alpha	8.6E+00 ± 2.2E+00		pCi/L	1	TM
		Nonvolatile beta	6.4E+00 ± 2.1E+00		pCi/L	0	TM
		Radium-226	4.1E+00 ± 7.1E-01		pCi/L	0	TM
		Radium-228	3.4E+00 ± 1.4E+00		pCi/L	0	TM
		Tritium	5.5E-01 ± 5.4E-01		pCi/mL	0	TM

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

WELL LFW 59C

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

FIELD MEASUREMENTS

Sample date: 06/16/93
 Depth to water: 24.79 ft (7.56 m) below TOC
 Water elevation: 142.51 ft (43.44 m) msl
 Sp. conductance: 44 µS/cm
 Water evacuated before sampling: 105 gal

Time: 10:36
 pH: 4.8
 Alkalinity: 0 mg/L
 Water temperature: 19.9 °C
 Volumes purged: 3.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	4.8	J	pH	0	WA
•		Specific conductance	37	J	µS/cm	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	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	6.2		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	791		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	5,080		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	6.2	J3	µg/L	0	WA
		Copper	< 4.0		µg/L	0	WA
		Dibromochloromethane	< 5.0		µg/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dichlorodifluoromethane	11		µg/L	2	WA
■		Dichloromethane (Methylene chloride)	35		µg/L	2	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	< 5.0		µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	39		µg/L	0	WA

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

WELL LFW 59C collected on 06/16/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.058		µg/L	0	WA
		Magnesium	908		µg/L	0	WA
		Manganese	2.6	J3	µg/L	0	WA
		Mercury	0.57		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	777	V	µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	574	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	8,290		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	3,500	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
		Tetrachloroethylene	1.5	J	µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	19,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	175		µg/L	2	WA
		Total organic halogens	174		µg/L	2	WA
		Toxaphene	< 1.1		µg/L	0	WA
■		Trichloroethylene	9.4		µg/L	2	WA
		Trichlorofluoromethane	15		µg/L	2	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	1.5	J	µg/L	0	WA
		1,1-Dichloroethane	25		µg/L	2	WA
		1,1-Dichloroethylene	2.6	J	µg/L	0	WA
		1,1,1-Trichloroethane	1.8	J	µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		Gross alpha	2.6E+00 ± 1.4E+00		pCi/L	0	TM
		Nonvolatile beta	3.3E+00 ± 1.9E+00		pCi/L	0	TM
		Radium-226	1.7E+00 ± 4.3E-01		pCi/L	0	TM
		Radium-228	2.3E+00 ± 1.4E+00		pCi/L	0	TM
		Tritium	1.7E+01 ± 2.2E-01		pCi/mL	1	TM

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

WELL LFW 59D

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

FIELD MEASUREMENTS

Sample date: 06/16/93
 Depth to water: 24.56 ft (7.49 m) below TOC
 Water elevation: 143.04 ft (43.60 m) msl
 Sp. conductance: 53 μ S/cm
 Water evacuated before sampling: 78 gal

Time: 10:01
 pH: 4.7
 Alkalinity: 0 mg/L
 Water temperature: 18.8 °C
 Volumes purged: 8.7 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	4.9	J	pH	0	WA
•		Specific conductance	42	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	<5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		μ g/L	0	WA
		Acetone	11		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	6.5		μ g/L	0	WA
■		Benzene	13		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	761		μ g/L	0	WA
		Carbon disulfide	<5.0		μ g/L	0	WA
		Carbon tetrachloride	<5.0		μ g/L	0	WA
		Chloride	7,720		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
		Dibromomethane (Methylene bromide)	<10		μ g/L	0	WA
		Dichlorodifluoromethane	70		μ g/L	2	WA
■		Dichloromethane (Methylene chloride)	111		μ g/L	2	WA
		Endrin	<0.11		μ g/L	0	WA
		Ethylbenzene	<5.0		μ g/L	0	WA
		Fluoride	<100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	<10		μ g/L	0	WA
		Iron	52		μ g/L	0	WA

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

WELL LFW 59D collected on 06/16/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.056		µg/L	0	WA
		Magnesium	937		µg/L	0	WA
		Manganese	8.8		µg/L	0	WA
		Mercury	0.31		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	< 10		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	187	V	µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	655	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	10,300		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	5,140	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		Tetrachloroethylene	4.6	J	µg/L	1	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	54,000		µg/L	0	WA
		Total organic carbon	1,000		µg/L	0	WA
		Total organic halogens	695		µg/L	2	WA
		Toxaphene	< 1.1		µg/L	0	WA
■		Trichloroethylene	46		µg/L	2	WA
		Trichlorofluoromethane	110		µg/L	2	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	14		µg/L	0	WA
		1,1-Dichloroethane	84		µg/L	2	WA
		1,1-Dichloroethylene	6.9		µg/L	1	WA
		1,1,1-Trichloroethane	29		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	3.6	J	µg/L	1	WA
		1,2-Dichloropropane	1.5	J	µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		Gross alpha	1.9E+00 ± 1.3E+00		pCi/L	0	TM
		Nonvolatile beta	2.7E+00 ± 1.8E+00		pCi/L	0	TM
		Radium-226	3.9E-01 ± 2.1E-01		pCi/L	0	TM
		Radium-228	2.2E+00 ± 1.3E+00		pCi/L	0	TM
		Tritium	1.7E+01 ± 8.7E-01		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	33.282903 °N	143.8-123.8 ft msl	157.1 ft msl	4" PVC	S	Water table
E45722.3	81.706720 °W					

FIELD MEASUREMENTS

Sample date: 06/14/93
 Depth to water: 18.84 ft (5.74 m) below TOC
 Water elevation: 138.26 ft (42.14 m) msl
 Sp. conductance: 20 µS/cm
 Water evacuated before sampling: 11 gal
 The well went dry during purging.

Time: 15:06
 pH: 5.4
 Alkalinity: 1 mg/L
 Water temperature: 19.3 °C
 Volumes purged: 1.2 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.4	J	pH	0	WA
•		Specific conductance	16	J	µS/cm	0	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		µg/L	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	4.7	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	742		µg/L	0	WA
		Carbon disulfide	<5.0		µg/L	0	WA
		Carbon tetrachloride	<5.0		µg/L	0	WA
		Chloride	1,400		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	4.3	J3	µg/L	0	WA
		Dibromochloromethane	<5.0		µg/L	0	WA
		Dibromomethane (Methylene bromide)	<10		µg/L	0	WA
		Dichlorodifluoromethane	<10		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<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
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA
		Iron	570		µg/L	2	WA

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

WELL LFW 60D collected on 06/14/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	8.6	J3	µg/L	1	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	271		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	154		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	5,430		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	1,360	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	28,000	V	µg/L	0	WA
		Total organic carbon	2,320		µg/L	0	WA
		Total organic halogens	8.4		µg/L	0	WA
		Toxaphene	< 1.1		µg/L	0	WA
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		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
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		Gross alpha	7.0E-01 ± 8.0E-01		pCi/L	0	TM
		Nonvolatile beta	1.2E+00 ± 1.6E+00		pCi/L	0	TM
		Radium-226	< 2.2E-01		pCi/L	0	TM
		Radium-228	1.5E+00 ± 1.1E+00		pCi/L	0	TM
		Tritium	2.0E+00 ± 3.4E-01		pCi/mL	0	TM

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

WELL LFW 61C

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N83084.4	33.285378 °N	121.1 111.0 ft msl	168.3 ft msl	4" PVC	S	Water table
E46489.6	81.705774 °W					

FIELD MEASUREMENTS

Sample date: 06/14/93	Time: 16:07
Depth to water: 26.27 ft (8.01 m) below TOC	pH: 6.0
Water elevation: 142.03 ft (43.29 m) msl	Alkalinity: 24 mg/L
Sp. conductance: 108 µS/cm	Water temperature: 19.1 °C
Water evacuated before sampling: 255 gal	Volumes purged: 12.5 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.8	J	pH	0	WA
•		Specific conductance	99	J	µS/cm	0	WA
		cis-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		µg/L	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	1,600		µg/L	0	WA
		Carbon disulfide	< 5.0		µg/L	0	WA
		Carbon tetrachloride	< 5.0		µg/L	0	WA
		Chloride	4,570		µg/L	0	WA
		Chlorobenzene	< 5.0		µg/L	0	WA
		Chloroethane	5.3	J	µg/L	1	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
		Dibromomethane (Methylene bromide)	< 10		µg/L	0	WA
		Dichlorodifluoromethane	50		µg/L	2	WA
■		Dichloromethane (Methylene chloride)	113		µg/L	2	WA
		Endrin	< 0.11		µg/L	0	WA
		Ethylbenzene	2.1	J	µg/L	0	WA
		Fluoride	< 100		µg/L	0	WA
		Iodomethane (Methyl iodide)	< 10		µg/L	0	WA
		Iron	20,700		µg/L	2	WA

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

WELL LFW 61C collected on 06/14/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	1,770		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	21		µg/L	0	WA
		Methyl isobutyl ketone	42		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	93		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	6,150		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	2,860	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	1,400		µg/L	0	WA
		Tetrachloroethylene	3.5	J	µg/L	1	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	89,000	V	µg/L	0	WA
		Total organic carbon	1,580		µg/L	0	WA
		Total organic halogens	427		µg/L	2	WA
		Toxaphene	< 1.1		µg/L	0	WA
■		Trichloroethylene	11		µg/L	2	WA
		Trichlorofluoromethane	146		µg/L	2	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	13		µg/L	0	WA
		1,1-Dichloroethane	28		µg/L	2	WA
		1,1-Dichloroethylene	3.9	J	µg/L	1	WA
		1,1,1-Trichloroethane	32		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		Gross alpha	< 7.0E-01		pCi/L	0	TM
		Gross alpha	8.0E-01 ± 1.0E+00		pCi/L	0	TM
		Nonvolatile beta	1.8E+00 ± 2.0E+00		pCi/L	0	TM
		Nonvolatile beta	< 9.0E-01		pCi/L	0	TM
		Radium-226	5.0E-01 ± 2.7E-01		pCi/L	0	TM
		Radium-226	2.7E-01 ± 1.9E-01		pCi/L	0	TM
		Radium-228	1.6E+00 ± 1.0E+00		pCi/L	0	TM
		Radium-228	5.0E-01 ± 1.3E+00		pCi/L	0	TM
		Tritium	2.4E+00 ± 3.6E-01		pCi/mL	0	TM
		Tritium	2.1E+00 ± 3.4E-01		pCi/mL	0	TM

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

WELL LFW 61D

SRS Coord.	Lat/Longitude	Screen Zone Elevation	Top of Casing	Casing	Pump	Formation
N83089.1 E46471.1	33.285358 °N 81.705832 °W	150.4 130.3 ft msl	168.3 ft msl	4" PVC	S	Water table

FIELD MEASUREMENTS

Sample date: 06/14/93
 Depth to water: 24.70 ft (7.53 m) below TOC
 Water elevation: 143.60 ft (43.77 m) msl
 Sp. conductance: 56 μ S/cm
 Water evacuated before sampling: 94 gal

Time: 15:52
 pH: 4.6
 Alkalinity: 0 mg/L
 Water temperature: 18.5 °C
 Volumes purged: 10.8 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	4.6	J	pH	0	WA
•		Specific conductance	49	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	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	9.6		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	1,110		μ g/L	0	WA
		Carbon disulfide	< 5.0		μ g/L	0	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	6,420		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	1.5	J	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
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		Dichlorodifluoromethane	42		μ g/L	2	WA
■		Dichloromethane (Methylene chloride)	69		μ g/L	2	WA
		Endrin	< 0.11		μ g/L	0	WA
		Ethylbenzene	3.1	J	μ g/L	0	WA
		Fluoride	< 100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	< 10		μ g/L	0	WA
		Iron	20		μ g/L	0	WA

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

WELL LFW 61D collected on 06/14/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	1,860		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	137		µg/L	0	WA
		Nickel	< 4.0		µg/L	0	WA
		Nitrate as nitrogen	98		µg/L	0	WA
		Nitrate as nitrogen	116		µg/L	0	WA
		Phenols	< 5.0		µg/L	0	WA
		Potassium	609	J3	µg/L	0	WA
		Propionitrile	< 50		µg/L	0	WA
		Selenium	< 2.0		µg/L	0	WA
		Silica	9,560		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	3,900	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
■		Tetrachloroethylene	24		µg/L	2	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	64,000	V	µg/L	0	WA
		Total organic carbon	2,040		µg/L	0	WA
		Total organic halogens	707		µg/L	2	WA
		Toxaphene	< 1.1		µg/L	0	WA
■		Trichloroethylene	28		µg/L	2	WA
		Trichlorofluoromethane	180		µg/L	2	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	19		µg/L	0	WA
		1,1-Dichloroethane	71		µg/L	2	WA
■		1,1-Dichloroethylene	8.3		µg/L	2	WA
		1,1,1-Trichloroethane	50		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	1.8	J	µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		Gross alpha	5.4E + 00 ± 2.0E + 00		pCi/L	0	TM
		Nonvolatile beta	9.8E + 00 ± 2.6E + 00		pCi/L	0	TM
		Radium-226	2.1E + 00 ± 5.1E - 01		pCi/L	0	TM
		Radium-228	5.1E + 00 ± 1.4E + 00		pCi/L	0	TM
		Tritium	3.4E + 00 ± 4.3E - 01		pCi/mL	0	TM

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

WELL LFW 62B

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

FIELD MEASUREMENTS

Sample date: 06/15/93
 Depth to water: 22.55 ft (6.87 m) below TOC
 Water elevation: 142.35 ft (43.39 m) msl
 Sp. conductance: 44 µS/cm
 Water evacuated before sampling: 475 gal

Time: 15:02
 pH: 4.3
 Alkalinity: 0 mg/L
 Water temperature: 19.5 °C
 Volumes purged: 9.1 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	4.4	J	pH	0	WA
•		Specific conductance	36	J	µS/cm	0	WA
•		Specific conductance	36	J	µS/cm	0	WA
		cis-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,2-Dichloroethylene	<5.0		µg/L	0	WA
		trans-1,3-Dichloropropene	<5.0		µg/L	0	WA
		trans-1,4-Dichloro-2-butene	<100		µg/L	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	6.9		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	980		µg/L	0	WA
		Carbon disulfide	<5.0		µg/L	0	WA
		Carbon tetrachloride	<5.0		µg/L	0	WA
		Chloride	1,720		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)	2.9	J	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
		Dibromomethane (Methylene bromide)	<10		µg/L	0	WA
		Dichlorodifluoromethane	<10		µg/L	0	WA
		Dichloromethane (Methylene chloride)	<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
		Iodomethane (Methyl iodide)	<10		µg/L	0	WA

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

WELL LFW 62B collected on 06/15/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Iron	394	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
		Magnesium	392		µg/L	0	WA
		Manganese	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
		Methyl ethyl ketone	< 10		µg/L	0	WA
		Methyl isobutyl ketone	< 10		µg/L	0	WA
		Nickel	9.1	J3	µg/L	0	WA
		Nitrate as nitrogen	570	V	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	10,500		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	2,060	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	7,300		µg/L	0	WA
		Tetrachloroethylene	< 5.0		µg/L	0	WA
		Toluene	< 5.0		µg/L	0	WA
		Total dissolved solids	62,000		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
		Trichloroethylene	< 5.0		µg/L	0	WA
		Trichlorofluoromethane	< 5.0		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
		1,1-Dichloroethane	< 5.0		µg/L	0	WA
		1,1-Dichloroethylene	< 5.0		µg/L	0	WA
		1,1,1-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	< 5.0		µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.57		µg/L	0	WA

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WELL LFW 62C

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

FIELD MEASUREMENTS

Sample date: 06/15/93
 Depth to water: 22.71 ft (6.92 m) below TOC
 Water elevation: 142.79 ft (43.52 m) msl
 Sp. conductance: 45 μ S/cm
 Water evacuated before sampling: 91 gal

Time: 14:37
 pH: 4.8
 Alkalinity: 0 mg/L
 Water temperature: 19.5 °C
 Volumes purged: 4.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	5.4	J	pH	0	GE
•		pH	5.4	J	pH	0	GE
•		pH	4.9	J	pH	0	WA
•		pH	4.9	J	pH	0	WA
		Specific conductance	40		μ S/cm	0	GE
		Specific conductance	38		μ S/cm	0	GE
•		Specific conductance	35	J	μ S/cm	0	WA
•		Specific conductance	35	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	< 1.0		μ g/L	0	GE
		cis-1,3-Dichloropropene	< 1.0		μ g/L	0	GE
		cis-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		cis-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 1.0		μ g/L	0	GE
		trans-1,2-Dichloroethylene	< 1.0		μ g/L	0	GE
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	< 1.0		μ g/L	0	GE
		trans-1,3-Dichloropropene	< 1.0		μ g/L	0	GE
		trans-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 30		μ g/L	0	GE
		trans-1,4-Dichloro-2-butene	< 30		μ g/L	0	GE
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	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

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WELL LFW 62C collected on 06/15/93, 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>
		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	7.1		µg/L	0	GE
		Barium	7.4		µg/L	0	GE
		Barium	7.1		µg/L	0	WA
		Barium	7.3		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	1,080		µg/L	0	GE
		Calcium	1,150		µg/L	0	GE
		Calcium	1,110		µg/L	0	WA
		Calcium	1,120		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	4,650		µg/L	0	GE
		Chloride	4,880		µg/L	0	GE
		Chloride	4,620		µg/L	0	WA
		Chloride	4,860		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

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WELL LFW 62C collected on 06/15/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		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
		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
		Dichlorodifluoromethane	16		µg/L	2	GE
		Dichlorodifluoromethane	16		µg/L	2	GE
		Dichlorodifluoromethane	11		µg/L	2	WA
		Dichlorodifluoromethane	11		µg/L	2	WA
	■	Dichloromethane (Methylene chloride)	26		µg/L	2	GE
	■	Dichloromethane (Methylene chloride)	13		µg/L	2	GE
	■	Dichloromethane (Methylene chloride)	16	V	µg/L	2	WA
	■	Dichloromethane (Methylene chloride)	15	V	µg/L	2	WA
●		Endrin	< 0.0060	J	µg/L	0	GE
●		Endrin	< 0.0060	J	µg/L	0	GE
●		Endrin	< 0.0060	J	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

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WELL LFW 62C collected on 06/15/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		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	9.1		µg/L	0	GE
		Iron	8.2		µg/L	0	GE
		Iron	8.8	J3V	µg/L	0	WA
		Iron	9.8	J3V	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	4.3		µg/L	0	GE
		Lead	< 3.0		µg/L	0	WA
		Lead	< 3.0		µg/L	0	WA
•		Lindane	< 0.0050	J	µg/L	0	GE
•		Lindane	< 0.0050	J	µg/L	0	GE
•		Lindane	< 0.0050	J	µg/L	0	GE
		Lindane	< 0.056		µg/L	0	WA
		Lindane	< 0.054		µg/L	0	WA
		Magnesium	1,020		µg/L	0	GE
		Magnesium	1,070		µg/L	0	GE
		Magnesium	1,010		µg/L	0	WA
		Magnesium	1,020		µg/L	0	WA
		Manganese	7.9		µg/L	0	GE
		Manganese	8.2		µg/L	0	GE
		Manganese	8.0	J3	µg/L	0	WA
		Manganese	7.5	J3	µg/L	0	WA
■		Mercury	2.1		µg/L	2	GE
		Mercury	2.0		µg/L	1	GE
■		Mercury	2.0		µg/L	2	WA
		Mercury	2.0		µg/L	1	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	J	µg/L	0	GE
•		Methoxychlor	< 0.50	J	µg/L	0	GE
•		Methoxychlor	< 0.50	J	µg/L	0	GE
		Methoxychlor	< 0.56		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
		Nitrate as nitrogen	1,620	V	µg/L	0	WA
		Nitrate as nitrogen	1,510	V	µg/L	0	WA

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WELL LFW 62C collected on 06/15/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Nitrate-nitrite as nitrogen	1,410		µg/L	0	GE
		Nitrate-nitrite as nitrogen	1,420		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	518	J3	µg/L	0	WA
		Potassium	< 500		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	8,900		µg/L	0	GE
		Silica	9,260		µg/L	0	GE
		Silica	8,510		µg/L	0	WA
		Silica	8,610		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	3,020		µg/L	0	GE
		Sodium	3,210		µg/L	0	GE
		Sodium	3,300	V	µg/L	0	WA
		Sodium	3,370	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	< 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
		Tetrachloroethylene	2.5		µg/L	1	GE
		Tetrachloroethylene	2.6		µg/L	1	GE
		Tetrachloroethylene	2.2	J	µg/L	0	WA
		Tetrachloroethylene	2.3	J	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	34,000	V	µg/L	0	GE
		Total dissolved solids	32,000	V	µg/L	0	GE
		Total dissolved solids	74,000		µg/L	0	WA
		Total dissolved solids	58,000		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	GE
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic carbon	< 1,000		µg/L	0	WA
		Total organic halogens	54		µg/L	2	GE

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WELL LFW 62C collected on 06/15/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Total organic halogens	67		µg/L	2	GE
		Total organic halogens	65		µg/L	2	GE
		Total organic halogens	74		µg/L	2	WA
		Total organic halogens	79		µg/L	2	WA
•		Toxaphene	<0.24	J	µg/L	0	GE
•		Toxaphene	<0.24	J	µg/L	0	GE
•		Toxaphene	<0.24	J	µg/L	0	GE
		Toxaphene	<1.1		µg/L	0	WA
		Toxaphene	<1.1		µg/L	0	WA
■		Trichloroethylene	16		µg/L	2	GE
■		Trichloroethylene	15		µg/L	2	GE
■		Trichloroethylene	13		µg/L	2	WA
■		Trichloroethylene	13		µg/L	2	WA
		Trichlorofluoromethane	6.7		µg/L	1	GE
		Trichlorofluoromethane	6.4		µg/L	1	GE
		Trichlorofluoromethane	5.1		µg/L	1	WA
		Trichlorofluoromethane	5.2		µg/L	1	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
		1,1-Dichloroethane	26		µg/L	2	GE
		1,1-Dichloroethane	21		µg/L	2	GE
		1,1-Dichloroethane	20		µg/L	2	WA
		1,1-Dichloroethane	21		µg/L	2	WA
		1,1-Dichloroethylene	1.8		µg/L	0	GE
		1,1-Dichloroethylene	1.7		µg/L	0	GE
		1,1-Dichloroethylene	1.6	J	µg/L	0	WA
		1,1-Dichloroethylene	1.7	J	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
		1,1,1,2-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-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
		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
		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

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WELL LFW 62C collected on 06/15/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		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
		1,2-Dichloroethane	2.3		µg/L	0	GE
		1,2-Dichloroethane	1.9		µg/L	0	GE
		1,2-Dichloroethane	1.8	J	µg/L	0	WA
		1,2-Dichloroethane	1.9	J	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
		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
		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
		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
		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)	< 0.56		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.56		µg/L	0	WA
		Gross alpha	< 2.0E + 00		pCi/L	0	GE
		Gross alpha	2.7E + 00 ± 1.0E + 00		pCi/L	0	GE
		Nonvolatile beta	< 2.0E + 00		pCi/L	0	GE
		Nonvolatile beta	< 2.0E + 00		pCi/L	0	GE
		Radium, total alpha-emitting	1.9E + 00 ± 6.0E-01		pCi/L	0	GE
		Radium, total alpha-emitting	1.8E + 00 ± 6.0E-01		pCi/L	0	GE
		Tritium	1.2E + 01 ± 6.0E-01		pCi/mL	1	GE
		Tritium	1.2E + 01 ± 6.0E-01		pCi/mL	1	GE

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

WELL LFW 62D

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

FIELD MEASUREMENTS

Sample date: 06/16/93
 Depth to water: 21.70 ft (6.61 m) below TOC
 Water elevation: 143.10 ft (43.62 m) msl
 Sp. conductance: 45 μ S/cm
 Water evacuated before sampling: 10 gal
 The well went dry during purging.

Time: 9:16
 pH: 4.7
 Alkalinity: 0 mg/L
 Water temperature: 19.0 °C
 Volumes purged: 1.0 well volumes

LABORATORY ANALYSES

H	D	Analyte	Result	Mod	Unit	Flag	Lab
•		pH	4.9	J	pH	0	WA
•		Specific conductance	37	J	μ S/cm	0	WA
		cis-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,2-Dichloroethylene	< 5.0		μ g/L	0	WA
		trans-1,3-Dichloropropene	< 5.0		μ g/L	0	WA
		trans-1,4-Dichloro-2-butene	< 100		μ g/L	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	7.0		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	960		μ g/L	0	WA
		Carbon disulfide	6.4		μ g/L	1	WA
		Carbon tetrachloride	< 5.0		μ g/L	0	WA
		Chloride	4,380		μ g/L	0	WA
		Chloride	4,410		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	6.2		μ g/L	0	WA
		Dibromochloromethane	< 5.0		μ g/L	0	WA
		Dibromomethane (Methylene bromide)	< 10		μ g/L	0	WA
		Dichlorodifluoromethane	20		μ g/L	2	WA
■		Dichloromethane (Methylene chloride)	19		μ g/L	2	WA
		Endrin	< 0.11		μ g/L	0	WA
		Ethylbenzene	< 5.0		μ g/L	0	WA
		Fluoride	< 100		μ g/L	0	WA
		Iodomethane (Methyl iodide)	< 10		μ g/L	0	WA

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

WELL LFW 62D collected on 06/16/93, laboratory analyses (cont.)

H	D	Analyte	Result	Mod	Unit	Flag	Lab
		Iron	858		µg/L	2	WA
		Isobutyl alcohol	< 20		µg/L	0	WA
		Lead	7.5	J3	µg/L	1	WA
		Lindane	< 0.055		µg/L	0	WA
		Magnesium	929		µg/L	0	WA
		Manganese	19		µg/L	0	WA
		Mercury	0.56		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	950	V	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	7,270		µg/L	0	WA
		Silver	< 2.0		µg/L	0	WA
		Sodium	3,050	V	µg/L	0	WA
		Styrene	< 5.0		µg/L	0	WA
		Sulfate	< 1,000		µg/L	0	WA
		Tetrachloroethylene	4.4	J	µg/L	1	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	253		µg/L	2	WA
		Toxaphene	< 1.1		µg/L	0	WA
■		Trichloroethylene	8.3		µg/L	2	WA
		Trichlorofluoromethane	55		µg/L	2	WA
		Vanadium	< 3.0		µg/L	0	WA
		Vinyl acetate	< 10		µg/L	0	WA
		Xylenes	< 5.0		µg/L	0	WA
		1,1-Dichloroethane	33		µg/L	2	WA
		1,1-Dichloroethylene	3.1	J	µg/L	0	WA
		1,1,1-Trichloroethane	16		µg/L	0	WA
		1,1,1,2-Tetrachloroethane	< 10		µg/L	0	WA
		1,1,2-Trichloroethane	< 5.0		µg/L	0	WA
		1,1,2,2-Tetrachloroethane	< 5.0		µg/L	0	WA
		1,2-Dibromo-3-chloropropane	< 20		µg/L	0	WA
		1,2-Dibromoethane	< 20		µg/L	0	WA
		1,2-Dichloroethane	1.0	J	µg/L	0	WA
		1,2-Dichloropropane	< 5.0		µg/L	0	WA
		1,2,3-Trichloropropane	< 10		µg/L	0	WA
		2-Hexanone	< 10		µg/L	0	WA
		2,4-Dichlorophenoxyacetic acid	< 1.1		µg/L	0	WA
		2,4,5-TP (Silvex)	< 0.55		µg/L	0	WA
		Gross alpha	2.5E+00 ± 1.4E+00		pCi/L	0	TM
		Nonvolatile beta	3.5E+00 ± 1.9E+00		pCi/L	0	TM
		Radium-226	9.6E-01 ± 3.3E-01		pCi/L	0	TM
		Radium-228	9.0E-01 ± 1.3E+00		pCi/L	0	TM
		Tritium	5.3E+00 ± 9.0E-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	Source
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
Radium, total (Radium-226 and -228)	pCi/L	5E + 00	Final	EPA, 1992a

<u>Analyte</u>	<u>Unit</u>	<u>Level</u>	<u>Status</u>	<u>Source</u>
Selenium	µg/L	50	Final	EPA, 1992a
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 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

- EPA (U.S. Environmental Protection Agency), 1977. **National Interim Primary Drinking Water Regulations**, EPA-570/9-76-003. Washington, DC.
- 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-c,d]pyrene	µg/L	50	100	EPA Method 8270
Iodine	µg/L	250	500	APHA Method 415A
Iodine-129	pCi/L	5E-01	1E+00	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
Methapyriline	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	2E	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 ^c	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 ^c	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.

References

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