

Table 19. Major volatile organic compounds analyses for water samples from wells, Ashumet Valley, Massachusetts, May 1993 through October 1994

[Source of data: U.S. Geological Survey National Water Quality Laboratory. Well cluster site and well No.: Number in parentheses assigned by the Massachusetts Military Reservation. All analyses on unfiltered samples. Locations of well clusters and wells are shown in figures 2 and 3. No., number; D, duplicate sample; µg/L, microgram per liter; <, actual value is less than method detection limit; --, no data available]

Well cluster site and well No.	Date	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethylene (µg/L)	Trichloroethylene (µg/L)	Tetrachloroethylene (µg/L)	trans-1,2-Dichloroethene (µg/L)
FSW 230-0042 ¹	4-05-94	<1	<1	<1	<1	<1	<1	<1
FSW 230-0048	7-20-94	1.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 230-0048-D	7-20-94	1.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 230-0049 ¹	4-05-94	2	<1	<1	<1	<1	<1	<1
FSW 230-0058 ¹	4-05-94	<1	<1	<1	<1	<1	<1	<1
FSW 230-0068 ¹	4-05-94	<1	<1	<1	<1	<1	<1	<1
FSW 230-0078 ¹	4-05-94	<1	<1	<1	<1	<1	<1	<1
FSW 230-0088 ¹	4-06-94	2	<1	<1	<1	<1	3	<1
FSW 230-0108 ¹	4-06-94	<1	<1	<1	<1	<1	<1	<1
FSW 230-0127 ¹	4-06-94	<1	<1	<1	<1	<1	<1	<1
FSW 231-0057 ¹	4-06-94	4	<1	<1	<1	<1	<1	<1
FSW 232-0058 ¹	4-06-94	3	<1	<1	<1	<1	<1	<1
FSW 232-0058-D ¹	4-06-94	3	<1	<1	<1	<1	<1	<1
FSW 235-0094	6-07-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 236-0070 ¹	3-29-94	3	<1	<1	<1	<1	<1	<1
FSW 236-0089 ¹	3-29-94	<1	<1	<1	<1	<1	<1	<1
FSW 236-0106 ¹	3-29-94	<1	<1	<1	<1	<1	<1	<1
FSW 236-0121 ¹	3-29-94	<1	<1	<1	<1	<1	<1	<1
FSW 236-0141 ¹	3-29-94	<1	<1	<1	<1	<1	<1	<1
FSW 236-0141-D ¹	3-29-94	<1	<1	<1	<1	<1	<1	<1
FSW 237-0088 ¹	3-28-94	<1	<1	<1	<1	<1	<1	<1
FSW 238-0106	6-10-94	.3	<.2	<.2	<.2	<.2	<.2	<.2
FSW 239-0010	6-06-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 239-0064 ¹	5-11-93	<1	<1	<1	<1	<1	<1	--
FSW 239-0121 ¹	3-28-94	<1	<1	<1	<1	2	<1	<1
FSW 242-0077	6-10-94	1.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 244-0070 ¹	5-11-93	<1	<1	<1	<1	<1	<1	--
FSW 244-0090 ¹	5-11-93	<1	<1	<1	<1	1	2	--
FSW 244-0119 ¹	5-11-93	<1	<1	<1	<1	1	3	--
FSW 254-0026 ¹	4-07-94	<1	<1	<1	<1	<1	<1	<1
FSW 254-0054 ¹	4-07-94	<1	<1	<1	<1	<1	<1	<1
FSW 254-0072 ¹	4-07-94	<1	<1	<1	<1	<5	7	<1
FSW 254-0072	7-12-94	<.2	.4	<.2	<.2	12	19	.7
FSW 254-0072-D	7-12-94	<.2	.4	<.2	<.2	12	19	.9
FSW 254-0107 ¹	4-07-94	<1	<1	<1	<1	<1	<1	<1
FSW 254-0140 ¹	4-07-94	<1	<1	<1	<1	25	9	<1
FSW 254-0168 ¹	4-08-94	<1	<1	<1	<1	<1	<1	<1
FSW 254-0168-D ¹	4-08-94	<1	<1	<1	<1	<1	<1	<1
FSW 254-0216 ¹	4-08-94	<1	<1	<1	<1	<1	<1	<1

¹Source of data: ABB Environmental Services, Inc.

Table 19. Major volatile organic compounds analyses for water samples from wells, Ashumet Valley, Massachusetts, May 1993 through October 1994—*Continued*

Well cluster site and well No.	Date	<i>cis</i> -1,2-Dichloroethene (µg/L)	1,2-Dichloroethene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	Ethylbenzene (µg/L)	Xylene (µg/L)
FSW 230-0042 ¹	4-05-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 230-0048	7-20-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 230-0048-D	7-20-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 230-0049 ¹	4-05-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 230-0058 ¹	4-05-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 230-0068 ¹	4-05-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 230-0078 ¹	4-05-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 230-0088 ¹	4-06-94	17	--	<1	<1	<1	<1	<1	<1
FSW 230-0108 ¹	4-06-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 230-0127 ¹	4-06-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 231-0057 ¹	4-06-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 232-0058 ¹	4-06-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 232-0058-D ¹	4-06-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 235-0094	6-07-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 236-0070 ¹	3-29-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 236-0089 ¹	3-29-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 236-0106 ¹	3-29-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 236-0121 ¹	3-29-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 236-0141 ¹	3-29-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 236-0141-D ¹	3-29-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 237-0088 ¹	3-28-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 238-0106	6-10-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 239-0010	6-06-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 239-0064 ¹	5-11-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 239-0121 ¹	3-28-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 242-0077	6-10-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 244-0070 ¹	5-11-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 244-0090 ¹	5-11-93	--	2	<1	<1	<10	<10	<1	<1
FSW 244-0119 ¹	5-11-93	--	5	<1	<1	<10	<10	<1	<1
FSW 254-0026 ¹	4-07-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 254-0054 ¹	4-07-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 254-0072 ¹	4-07-94	22	--	<1	<1	<1	<1	<1	<1
FSW 254-0072	7-12-94	38	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 254-0072-D	7-12-94	39	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 254-0107 ¹	4-07-94	18	--	<1	<1	<1	<1	<1	<1
FSW 254-0140 ¹	4-07-94	14	--	<1	<1	<1	<1	<1	<1
FSW 254-0168 ¹	4-08-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 254-0168-D ¹	4-08-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 254-0216 ¹	4-08-94	<1	--	<1	<1	<1	<1	<1	<1

¹Source of data: ABB Environmental Services, Inc.

Table 19. Major volatile organic compounds analyses for water samples from wells, Ashumet Valley, Massachusetts, May 1993 through October 1994—*Continued*

Well cluster site and well No.	Date	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethylene (µg/L)	Trichloroethylene (µg/L)	Tetrachloroethylene (µg/L)	<i>trans</i> -1,2-Dichloroethene (µg/L)
FSW 262-0041 ¹	3-27-94	<1	<1	<1	<1	<1	<1	<1
FSW 262-0041-D ¹	3-27-94	<1	<1	<1	<1	<1	<1	<1
FSW 262-0069 ¹	3-27-94	<1	<1	<1	<1	3	20	<1
FSW 262-0069	7-14-94	<.2	<.2	<.2	<.2	2.0	20	<.2
FSW 262-0069-D	7-14-94	<.2	<.2	<.2	<.2	2.0	20	<.2
FSW 262-0085 ¹	3-27-94	<1	<1	<1	<1	<1	4	<1
FSW 262-0109 ¹	3-27-94	<1	<1	<1	<1	4	3	<1
FSW 262-0126 ¹	3-28-94	<1	<1	<1	<1	7	2	<1
FSW 262-0159 ¹	3-27-94	<1	<1	<1	<1	<1	<1	<1
FSW 267-0088 ¹	4-05-94	<1	<1	<1	<1	<1	<1	<1
FSW 267-0088-D ¹	4-05-94	<1	<1	<1	<1	<1	<1	<1
FSW 267-0111 ¹	4-05-94	<1	<1	<1	<1	3	<1	<1
FSW 267-0136 ¹	4-05-94	<1	<1	<1	<1	<1	<1	<1
FSW 267-0155 ¹	4-05-94	<1	<1	<1	<1	<1	<1	<1
FSW 271-0041	6-28-94	.9	<.2	<.2	<.2	<.2	<.2	<.2
FSW 271-0069 ¹	5-19-93	1	<1	<1	<1	<1	<1	--
FSW 271-0084 ¹	5-19-93	1	<1	<1	<1	2	11	<1
FSW 271-0085	6-23-94	1.2	<.2	<.2	<.2	2.0	11	<.2
FSW 271-0085-D	6-23-94	.8	<.2	<.3	<.2	1.4	8.0	<.2
FSW 271-0099 ¹	5-19-93	<1	<1	<1	<1	32	82	--
FSW 271-0099	6-22-94	<.2	.6	<.5	<.2	19	61	<.2
FSW 271-0099-D	6-22-94	<.2	.5	<.4	.2	19	58	.2
FSW 271-0114 ¹	5-19-93	<1	<1	1	<1	58	130	--
FSW 271-0114	6-23-94	<.2	.8	1.0	<.2	37	79	.5
FSW 271-0114-D	6-23-94	<.2	.7	1.1	<.2	40	76	.5
FSW 271-0141	6-23-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 271-0165	6-24-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 279-0061 ¹	3-26-94	<1	<1	<1	<1	<1	<1	<1
FSW 279-0086 ¹	3-26-94	<1	<1	<1	<1	<1	<1	<1
FSW 279-0100 (AVP/MW586) ¹	3-26-94	<1	<1	<1	<1	<1	<1	<1
FSW 282-0049	6-29-94	1.9	<.2	<.2	<.2	<.2	<.2	<.2
FSW 282-0070	6-30-94	.4	<.2	<.2	<.2	<.2	.6	<.2
FSW 282-0070-D	6-30-94	.4	<.2	<.2	<.2	<.2	.5	<.2
FSW 282-0083	6-30-94	<.2	<.2	<.2	<.2	.8	.9	<.2
FSW 282-0094	6-29-94	<.2	<.2	<.2	<.2	.6	1.0	<.2
FSW 282-0123	6-29-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 288-0091	7-12-94	<.2	<.2	<.2	<.2	<.2	.7	<.2
FSW 294-0064	7-19-94	2.3	<.2	<.2	<.2	<.2	<.2	<.2
FSW 294-0077	7-19-94	.7	<.2	<.2	<.2	.2	1.7	<.2
FSW 294-0089	7-19-94	.5	<.2	.3	<.2	1.6	2.3	<.2
FSW 294-0109	7-19-94	.3	<.2	<.2	<.2	<.2	<.2	<.2

¹Source of data: ABB Environmental Services, Inc.

Table 19. Major volatile organic compounds analyses for water samples from wells, Ashumet Valley, Massachusetts, May 1993 through October 1994—*Continued*

Well cluster site and well No.	Date	<i>cis</i> -1,2-Dichloroethene (µg/L)	1,2-Dichloroethene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	Ethylbenzene (µg/L)	Xylene (µg/L)
FSW 262-0041 ¹	3-27-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 262-0041-D ¹	3-27-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 262-0069 ¹	3-27-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 262-0069	7-14-94	.3	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 262-0069-D	7-14-94	.3	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 262-0085 ¹	3-27-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 262-0109 ¹	3-27-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 262-0126 ¹	3-28-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 262-0159 ¹	3-27-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 267-0088 ¹	4-05-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 267-0088-D ¹	4-05-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 267-0111 ¹	4-05-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 267-0136 ¹	4-05-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 267-0155 ¹	4-05-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 271-0041	6-28-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 271-0069 ¹	5-19-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 271-0084 ¹	5-19-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 271-0085	6-23-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 271-0085-D	6-23-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 271-0099 ¹	5-19-93	--	1	<1	<1	<10	<10	<1	<1
FSW 271-0099	6-22-94	.9	--	<.2	<.2	<.2	.4	<.2	<.2
FSW 271-0099-D	6-22-94	.9	--	<.2	<.2	<.2	.4	<.2	<.2
FSW 271-0114 ¹	5-19-93	--	2	<1	<1	<10	<10	<1	<1
FSW 271-0114	6-23-94	1.7	--	<.2	<.2	.4	.6	<.2	<.2
FSW 271-0114-D	6-23-94	1.7	--	<.2	<.2	.4	.5	<.2	<.2
FSW 271-0141	6-23-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 271-0165	6-24-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 279-0061 ¹	3-26-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 279-0086 ¹	3-26-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 279-0100 (AVP/MW586) ¹	3-26-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 282-0049	6-29-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 282-0070	6-30-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 282-0070-D	6-30-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 282-0083	6-30-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 282-0094	6-29-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 282-0123	6-29-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 288-0091	7-12-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 294-0064	7-19-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 294-0077	7-19-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 294-0089	7-19-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 294-0109	7-19-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2

¹Source of data: ABB Environmental Services, Inc.

Table 19. Major volatile organic compounds analyses for water samples from wells, Ashumet Valley, Massachusetts, May 1993 through October 1994—*Continued*

Well cluster site and well No.	Date	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethylene (µg/L)	Trichloroethylene (µg/L)	Tetrachloroethylene (µg/L)	<i>trans</i> -1,2-Dichloroethene (µg/L)
FSW 300-0010 ¹	3-29-94	<1	<1	<1	<1	<1	<1	<1
FSW 300-0030 ¹	3-29-94	<1	<1	<1	<1	<1	3	<1
FSW 300-0050 ¹	3-29-94	2	<1	<1	<1	<1	8	<1
FSW 300-0073 ¹	3-30-94	<1	<1	<1	<1	<1	6	<1
FSW 300-0099 ¹	3-30-94	<1	<1	<1	<1	<1	<1	<1
FSW 300-0099	6-21-94	<.2	<.2	<.2	<.2	4.2	.3	<.2
FSW 300-0118 ¹	3-30-94	<1	<1	<1	<1	5	<1	<1
FSW 300-0138 ¹	3-30-94	<1	<1	<1	<1	5	<1	<1
FSW 343-0036 ¹	3-25-94	<1	<1	<1	<1	<1	<1	<1
FSW 343-0057 ¹	5-12-93	<1	<1	<1	<1	<1	1	--
FSW 343-0079 ¹	5-12-93	<1	<1	<1	<1	1	24	--
FSW 343-0099 ¹	5-12-93	<1	<1	<1	<1	<1	<1	--
FSW 343-0114 ¹	3-25-94	<1	<1	<1	<1	<1	<1	<1
FSW 343-0129	8-30-94	<.2	<.2	<.2	<.2	2.2	<.2	<.2
FSW 343-0145 ¹	3-26-94	<1	<1	<1	<1	<1	<1	<1
FSW 347-0020 ¹	3-29-94	<1	<1	<1	<1	<1	<1	<1
FSW 347-0031 ¹	3-29-94	<1	<1	<1	<1	<1	<1	<1
FSW 347-0038 ¹	3-29-94	<1	<1	<1	<1	<1	<1	<1
FSW 347-0046 ¹	3-29-94	<1	<1	<1	<1	<1	<1	<1
FSW 347-0067 ¹	5-11-93	<1	<1	<1	<1	<1	12	--
FSW 347-0101 ¹	5-11-93	<1	<1	<1	<1	2	3	--
FSW 347-0116 ¹	3-30-94	<1	<1	<1	<1	2	7	<1
FSW 347-0131 ¹	3-30-94	<1	<1	<1	<1	4	<1	<1
FSW 347-0131-D ¹	3-30-94	<1	<1	<1	<1	4	<1	<1
FSW 347-0145 ¹	3-30-94	<1	<1	<1	<1	<1	<1	<1
FSW 348-0021 ¹	3-30-94	<1	<1	<1	<1	<1	<1	<1
FSW 348-0043 ¹	3-30-94	<1	<1	<1	<1	<1	<1	<1
FSW 348-0073 ¹	3-30-94	<1	<1	<1	<1	<1	<1	<1
FSW 348-0098 ¹	3-30-94	<1	<1	<1	<1	<1	<1	<1
FSW 348-0148 (AVP/MW591) ¹	4-08-94	<1	<1	<1	<1	<1	<1	<1
FSW 348-0148 (AVP/MW591)-D ¹	4-08-94	<1	<1	<1	<1	<1	<1	<1
FSW 350-0013 ¹	7-08-93	<1	<1	<1	<1	<1	<1	--
FSW 350-0052 ¹	5-10-93	2	<1	<1	<1	<1	<1	--
FSW 350-0064 ¹	5-10-93	<1	<1	<1	<1	6	40	--
FSW 350-0077 ¹	5-10-93	<1	1	<1	<1	28	60	--
FSW 350-0084 ¹	5-10-93	<1	2	2	<1	52	88	--
FSW 350-0084	9-07-94	<.2	1.2	.7	.3	27	60	<.2
FSW 350-0084-D	9-07-94	<.2	1.2	.7	.3	27	64	<.2
FSW 350-0110 ¹	5-10-93	<1	<1	1	<1	28	22	--
FSW 350-0125 ¹	5-10-93	<1	<1	<1	<1	5	3	--
FSW 350-0140 ¹	7-08-93	<1	<1	<1	<1	<1	<1	--

¹Source of data: ABB Environmental Services, Inc.

Table 19. Major volatile organic compounds analyses for water samples from wells, Ashumet Valley, Massachusetts, May 1993 through October 1994—*Continued*

Well cluster site and well No.	Date	<i>cis</i> -1,2-Dichloroethene (µg/L)	1,2-Dichloroethene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	Ethylbenzene (µg/L)	Xylene (µg/L)
FSW 300-0010 ¹	3-29-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 300-0030 ¹	3-29-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 300-0050 ¹	3-29-94	2	--	<1	<1	<1	<1	<1	<1
FSW 300-0073 ¹	3-30-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 300-0099 ¹	3-30-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 300-0099	6-21-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 300-0118 ¹	3-30-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 300-0138 ¹	3-30-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 343-0036 ¹	3-25-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 343-0057 ¹	5-12-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 343-0079 ¹	5-12-93	--	12	<1	<1	<10	<10	<1	<1
FSW 343-0099 ¹	5-12-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 343-0114 ¹	3-25-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 343-0129	8-30-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 343-0145 ¹	3-26-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 347-0020 ¹	3-29-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 347-0031 ¹	3-29-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 347-0038 ¹	3-29-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 347-0046 ¹	3-29-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 347-0067 ¹	5-11-93	--	2	<1	<1	<10	<10	<1	<1
FSW 347-0101 ¹	5-11-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 347-0116 ¹	3-30-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 347-0131 ¹	3-30-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 347-0131-D ¹	3-30-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 347-0145 ¹	3-30-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 348-0021 ¹	3-30-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 348-0043 ¹	3-30-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 348-0073 ¹	3-30-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 348-0098 ¹	3-30-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 348-0148 (AVP/MW591) ¹	4-08-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 348-0148 (AVP/MW591)-D ¹	4-08-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 350-0013 ¹	7-08-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 350-0052 ¹	5-10-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 350-0064 ¹	5-10-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 350-0077 ¹	5-10-93	--	2	<1	<1	<10	<10	<1	<1
FSW 350-0084 ¹	5-10-93	--	5	<1	<1	<10	<10	<1	<1
FSW 350-0084	9-07-94	2.4	--	<.2	<.2	<.2	.8	<.2	<.2
FSW 350-0084-D	9-07-94	2.1	--	<.2	<.2	<.2	.8	<.2	<.2
FSW 350-0110 ¹	5-10-93	--	2	<1	<1	<10	<10	<1	<1
FSW 350-0125 ¹	5-10-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 350-0140 ¹	7-08-93	--	<1	<1	<1	<10	<10	<1	<1

¹Source of data: ABB Environmental Services, Inc.

Table 19. Major volatile organic compounds analyses for water samples from wells, Ashumet Valley, Massachusetts, May 1993 through October 1994—*Continued*

Well cluster site and well No.	Date	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethylene (µg/L)	Trichloroethylene (µg/L)	Tetrachloroethylene (µg/L)	<i>trans</i> -1,2-Dichloroethene (µg/L)
FSW 355-0079	9-22-94	1.9	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
FSW 355-0104	9-22-94	<.2	<.2	<.2	<.2	.9	3.2	<.2
FSW 355-0104-D	9-22-94	<.2	<.2	<.2	<.2	.9	3.1	<.2
FSW 355-0149	9-22-94	<.2	<.2	<.2	<.2	.3	<.2	<.2
FSW 356-0079	6-09-94	.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 356-0108	6-09-94	<.2	<.2	<.2	<.2	8.8	54	<.2
FSW 356-0134	6-09-94	<.2	<.2	<.2	<.2	1.0	<.2	<.2
FSW 357-0079	9-01-94	<.2	<.2	.8	<.2	<.2	<.2	<.2
FSW 357-0099 ¹	7-08-93	<1	<1	<1	<1	<1	<1	--
FSW 357-0119 ¹	5-19-93	<1	1	<1	<1	18	64	--
FSW 357-0139 ¹	5-19-93	<1	<1	<1	<1	6	8	--
FSW 358-0049	10-13-94	.2	<.2	.2	<.2	<.2	<.2	<.2
FSW 358-0089 ¹	7-08-93	<1	<1	<1	<1	<1	<1	--
FSW 358-0089-D ¹	7-08-93	<1	<1	<1	<1	<1	<1	--
FSW 358-0104 ¹	5-19-93	<1	<1	<1	<1	<1	2	--
FSW 358-0119 ¹	5-19-93	<1	<1	<1	<1	<1	3	--
FSW 358-0132 ¹	5-19-93	<1	<1	<1	<1	2	2	--
FSW 358-0132-D ¹	5-19-93	<1	<1	<1	<1	2	2	--
FSW 359-0050	9-14-94	1.0	<.2	<.2	<.2	<.2	<.2	<.2
FSW 359-0088 ¹	5-19-93	3	<1	<1	<1	<1	<1	<1
FSW 359-0107 ¹	5-19-93	<1	<1	<1	<1	<1	<1	<1
FSW 359-0119	9-13-94	.3	<.2	<.2	<.2	<.2	<.2	<.2
FSW 359-0141	9-14-94	.3	<.2	<.2	<.2	<.2	<.2	<.2
FSW 373-0024 ¹	5-12-93	2	<1	<1	<1	<1	<1	--
FSW 373-0060 ¹	5-10-93	1	<1	<1	<1	<1	3	--
FSW 373-0073 ¹	5-10-93	<1	<1	<1	<1	<1	5	--
FSW 373-0082	8-24-94	<.2	<.2	<.2	<.2	.8	1.8	<.2
FSW 373-0082-D	8-24-94	<.2	<.2	<.2	<.2	.8	1.7	<.2
FSW 373-0113 ¹	5-10-93	<1	<1	<1	<1	9	5	1
FSW 373-0113-D ¹	5-10-93	<1	<1	<1	<1	15	8	--
FSW 375-0015	8-15-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 375-0041 ¹	5-19-93	<1	<1	<1	<1	<1	<1	--
FSW 375-0055 ¹	5-19-93	<1	<1	<1	<1	<1	<1	--
FSW 375-0071 ¹	5-19-93	<1	<1	<1	<1	<1	<1	--
FSW 375-0081	8-16-94	.2	<.2	<.2	<.2	.4	.3	<.2
FSW 375-0099	8-16-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 375-0119	8-17-94	.3	<.2	<.2	<.2	<.2	<.2	<.2

¹Source of data: ABB Environmental Services, Inc.

Table 19. Major volatile organic compounds analyses for water samples from wells, Ashumet Valley, Massachusetts, May 1993 through October 1994—*Continued*

Well cluster site and well No.	Date	<i>cis</i> -1,2-Dichloroethene (µg/L)	1,2-Dichloroethene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	Ethylbenzene (µg/L)	Xylene (µg/L)
FSW 355-0079	9-22-94	<0.2	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
FSW 355-0104	9-22-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 355-0104-D	9-22-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 355-0149	9-22-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 356-0079	6-09-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 356-0108	6-09-94	3.0	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 356-0134	6-09-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 357-0079	9-01-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 357-0099 ¹	7-08-93	--	<1	<1	<1	<10	<10	<1	<4
FSW 357-0119 ¹	5-19-93	--	14	<1	<1	<10	<10	<1	<1
FSW 357-0139 ¹	5-19-93	--	2	<1	<1	<10	<10	<1	<1
FSW 358-0049	10-13-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 358-0089 ¹	7-08-93	--	<1	<1	<1	<10	<10	<1	<5
FSW 358-0089-D ¹	7-08-93	--	<1	<1	<1	<10	<10	<1	<5
FSW 358-0104 ¹	5-19-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 358-0119 ¹	5-19-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 358-0132 ¹	5-19-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 358-0132-D ¹	5-19-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 359-0050	9-14-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 359-0088 ¹	5-19-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 359-0107 ¹	5-19-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 359-0119	9-13-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 359-0141	9-14-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 373-0024 ¹	5-12-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 373-0060 ¹	5-10-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 373-0073 ¹	5-10-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 373-0082	8-24-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 373-0082-D	8-24-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 373-0113 ¹	5-10-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 373-0113-D ¹	5-10-93	--	1	<1	<1	<10	<10	<1	<1
FSW 375-0015	8-15-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 375-0041 ¹	5-19-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 375-0055 ¹	5-19-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 375-0071 ¹	5-19-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 375-0081	8-16-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 375-0099	8-16-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 375-0119	8-17-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2

¹Source of data: ABB Environmental Services, Inc.

Table 19. Major volatile organic compounds analyses for water samples from wells, Ashumet Valley, Massachusetts, May 1993 through October 1994—*Continued*

Well cluster site and well No.	Date	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethylene (µg/L)	Trichloroethylene (µg/L)	Tetrachloroethylene (µg/L)	<i>trans</i> -1,2-Dichloroethene (µg/L)
FSW 383-0023 ¹	3-26-94	<1	<1	<1	<1	<1	<1	<1
FSW 383-0030 ¹	3-26-94	<1	<1	<1	<1	<1	<1	<1
FSW 383-0040 ¹	3-26-94	<1	<1	<1	<1	<1	<1	<1
FSW 383-0040-D ¹	3-26-94	<1	<1	<1	<1	<1	<1	<1
FSW 383-0061 ¹	3-26-94	<1	<1	<1	<1	<1	<1	<1
FSW 383-0082 ¹	3-26-94	<1	.2	<1	<1	<1	.4	<1
FSW 383-0106 ¹	3-26-94	<1	<1	<1	<1	<1	<1	<1
FSW 383-0129 ¹	3-27-94	<1	<1	<1	<1	<1	<1	<1
FSW 388-0037 ¹	3-25-94	<1	<1	<1	<1	<1	.3	<1
FSW 388-0072 ¹	3-25-94	<1	<1	<1	<1	<1	.3	<1
FSW 411-0036 ¹	4-08-94	<1	<1	<1	<1	<1	<1	<1
FSW 411-0054 ¹	5-11-93	<1	<1	<1	<1	<1	<1	--
FSW 411-0065 ¹	5-11-93	<1	<1	<1	<1	.6	64	--
FSW 411-0065	9-20-94	<.2	.2	<.2	<.2	3.8	30	<.2
FSW 411-0081 ¹	5-11-93	<1	<1	<1	<1	1	11	--
FSW 411-0094 ¹	5-11-93	<1	<1	<1	<1	15	14	--
FSW 411-0106 ¹	5-11-93	<1	<1	<1	<1	19	5	--
FSW 411-0106-D ¹	5-11-93	<1	<1	<1	<1	19	5	--
FSW 411-0122 ¹	4-11-94	<1	<1	<1	<1	<1	<1	<1
FSW 412-0042	9-13-94	1.1	<.2	<.2	<.2	<.2	<.2	<.2
FSW 412-0064	9-13-94	.7	<.2	1.0	<.2	<.2	<.2	<.2
FSW 412-0078	9-12-94	.3	<.2	1.1	<.2	<.2	<.2	<.2
FSW 412-0091	9-12-94	.3	.2	1.9	<.2	<.2	<.2	<.2
FSW 412-0108	9-12-94	.6	<.2	<.2	<.2	<.2	<.2	<.2
FSW 418-0049	9-26-94	1.7	<.2	<.2	<.2	<.2	<.2	<.2
FSW 418-0089 ¹	7-8-93	.2	<1	<1	<1	<1	<1	--
FSW 418-0103 ¹	7-8-93	<1	<1	<1	<1	<1	<1	--
FSW 418-0122 ¹	7-8-93	<1	<1	<1	<1	<1	<1	--
FSW 418-0141	9-27-94	.2	<.2	.3	<.2	.4	.5	<.2
FSW 422-0045	6-15-94	2.0	<.2	<.2	<.2	<.2	<.2	<.2
FSW 422-0065 ¹	5-11-93	<1	<1	<1	<1	<1	<1	--
FSW 422-0085 ¹	5-11-93	<1	<1	<1	<1	<1	<1	--
FSW 422-0085-D ¹	5-11-93	<1	<1	<1	<1	<1	<1	--
FSW 422-0105 ¹	5-11-93	<1	<1	<1	<1	.8	17	--
FSW 422-0105	6-15-94	.4	.3	<.2	<.2	8.7	23	.3
FSW 422-0105-D	6-15-94	.4	.3	<.2	<.2	9.2	23	.3
FSW 424-0020 ¹	3-30-94	<1	<1	<1	<1	<1	<1	<1
FSW 424-0089 (AVP/MW581C) ¹	4-13-94	<1	<1	<1	<1	<1	<1	<1
FSW 424-0144 (AVP/MW581B) ¹	4-11-94	<1	<1	<1	<1	120	<1	<1
FSW 424-0144 (AVP/MW581B)-D ¹	4-11-94	<1	<1	<1	<1	120	<1	<1
FSW 424-0183 (AVP/MW581A) ¹	4-12-94	<1	<1	<1	<1	<6	<1	<1

¹Source of data: ABB Environmental Services, Inc.

Table 19. Major volatile organic compounds analyses for water samples from wells, Ashumet Valley, Massachusetts, May 1993 through October 1994—*Continued*

Well cluster site and well No.	Date	<i>cis</i> -1,2-Dichloroethene (µg/L)	1,2-Dichloroethene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	Ethylbenzene (µg/L)	Xylene (µg/L)
FSW 383-0023 ¹	3-26-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 383-0030 ¹	3-26-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 383-0040 ¹	3-26-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 383-0040-D ¹	3-26-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 383-0061 ¹	3-26-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 383-0082 ¹	3-26-94	69	--	<1	<1	<1	2	<1	<1
FSW 383-0106 ¹	3-26-94	14	--	<1	<1	<1	<1	<1	<1
FSW 383-0129 ¹	3-27-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 388-0037 ¹	3-25-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 388-0072 ¹	3-25-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 411-0036 ¹	4-08-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 411-0054 ¹	5-11-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 411-0065 ¹	5-11-93	--	4	<1	<1	<10	<10	<1	<1
FSW 411-0065	9-20-94	--	7.6	<.2	<.2	<.2	<.2	<.2	<.2
FSW 411-0081 ¹	5-11-93	--	2	<1	<1	<10	<10	<1	<1
FSW 411-0094 ¹	5-11-93	--	1	<1	<1	<10	<10	<1	<1
FSW 411-0106 ¹	5-11-93	--	1	<1	<1	<10	<10	<1	<1
FSW 411-0106-D ¹	5-11-93	--	1	<1	<1	<10	<10	<1	<1
FSW 411-0122 ¹	4-11-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 412-0042	9-13-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 412-0064	9-13-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 412-0078	9-12-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 412-0091	9-12-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 412-0108	9-12-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 418-0049	9-26-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 418-0089 ¹	7-8-93	--	<1	<1	<1	<10	<10	<1	<5
FSW 418-0103 ¹	7-8-93	--	<1	<1	<1	<10	<10	<1	<4
FSW 418-0122 ¹	7-8-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 418-0141	9-27-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 422-0045	6-15-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 422-0065 ¹	5-11-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 422-0085 ¹	5-11-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 422-0085-D ¹	5-11-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 422-0105 ¹	5-11-93	--	43	<1	<1	<10	<10	<1	<1
FSW 422-0105	6-15-94	41	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 422-0105-D	6-15-94	45	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 424-0020 ¹	3-30-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 424-0089 (AVP/MW581C) ¹	4-13-94	12	--	<1	<1	<1	<1	<1	<1
FSW 424-0144 (AVP/MW581B) ¹	4-11-94	<1	--	<1	3	<1	<1	<1	<1
FSW 424-0144 (AVP/MW581B)-D ¹	4-11-94	<1	--	<1	3	<1	<1	<1	<1
FSW 424-0183 (AVP/MW581A) ¹	4-12-94	<1	--	<1	<1	<1	<1	<1	<1

¹Source of data: ABB Environmental Services, Inc.

Table 19. Major volatile organic compounds analyses for water samples from wells, Ashumet Valley, Massachusetts, May 1993 through October 1994—*Continued*

Well cluster site and well No.	Date	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethylene (µg/L)	Trichloroethylene (µg/L)	Tetrachloroethylene (µg/L)	<i>trans</i> -1,2-Dichloroethene (µg/L)
FSW 429-0012	10-05-94	1.0	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
FSW 429-0068	10-05-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 429-0078	10-05-94	<.2	<.2	<.2	<.2	.2	<.2	<.2
FSW 429-0094	10-05-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 431-0013	10-05-94	2.7	<.2	<.2	<.2	<.2	<.2	<.2
FSW 431-0018	10-05-94	1.4	<.2	<.2	<.2	<.2	<.2	<.2
FSW 431-0065	10-05-94	.9	<.2	<.2	<.2	.3	1.8	<.2
FSW 431-0078	10-05-94	.4	<.2	.8	<.2	12	40	<.2
FSW 431-0093	10-05-94	.5	<.2	.6	<.2	9.2	32	<.2
FSW 432-0026 ¹	3-25-94	2	<1	<1	<1	<1	<1	<1
FSW 432-0059 ¹	3-25-94	<1	<1	<1	<1	<1	<1	<1
FSW 432-0079 ¹	3-25-94	<1	<1	<1	<1	<1	<1	<1
FSW 432-0092 ¹	3-25-94	<1	<1	<1	<1	<1	<1	<1
FSW 432-0092	8-24-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 433-0064 ¹	5-19-93	<1	<1	<1	<1	<1	<1	--
FSW 433-0090 ¹	5-19-93	<1	<1	<1	<1	2	5	--
FSW 433-0104 ¹	5-19-93	<1	<1	<1	<1	11	6	--
FSW 433-0104-D ¹	5-19-93	<1	<1	<1	<1	11	6	--
FSW 433-0118	6-08-94	<.2	.2	<.2	<.2	2.6	.6	<.2
FSW 433-0140	6-09-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 435-0064	9-19-94	.6	<.2	<.2	<.2	<.2	<.2	<.2
FSW 435-0090	9-16-94	.5	<.2	<.2	<.2	2.9	1.7	<.2
FSW 435-0105	9-15-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 435-0121	9-15-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 435-0140	9-16-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 436-0036	8-17-94	.9	<.2	<.2	<.2	<.2	<.2	<.2
FSW 436-0060 ¹	5-19-93	1	<1	<1	<1	<1	<1	--
FSW 436-0060-D ¹	5-19-93	1	<1	<1	<1	<1	<1	--
FSW 436-0076 ¹	5-19-93	<1	<1	<1	<1	<1	<1	--
FSW 436-0091 ¹	5-19-93	<1	<1	<1	<1	<1	<1	--
FSW 436-0115	8-18-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 436-0141	8-19-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 443-0089 ¹	7-07-93	<1	<1	<1	<1	<1	<1	--
FSW 443-0104 ¹	7-07-93	<1	<1	<1	<1	16	1	--
FSW 443-0117	10-03-94	<.2	.3	.3	<.2	15	2.1	<.2
FSW 443-0117-D	10-03-94	<.2	.2	.3	<.2	16	2.2	<.2
FSW 443-0140	10-03-94	<.2	<.2	<.2	<.2	5.5	.3	<.2
FSW 459-0064	10-04-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 459-0091 ¹	7-07-93	<1	<1	<1	<1	<1	<1	--
FSW 459-0106 ¹	7-07-93	2	<1	<1	<1	<1	<1	--
FSW 459-0121	10-04-94	1.0	<.2	<.2	<.2	<.2	<.2	<.2
FSW 459-0136	10-04-94	.8	<.2	<.2	<.2	<.2	<.2	<.2

¹Source of data: ABB Environmental Services, Inc.

Table 19. Major volatile organic compounds analyses for water samples from wells, Ashumet Valley, Massachusetts, May 1993 through October 1994—*Continued*

Well cluster site and well No.	Date	<i>cis</i> -1,2-Dichloroethene (µg/L)	1,2-Dichloroethene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	Ethylbenzene (µg/L)	Xylene (µg/L)
FSW 429-0012	10-05-94	<0.2	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
FSW 429-0068	10-05-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 429-0078	10-05-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 429-0094	10-05-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 431-0013	10-05-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 431-0018	10-05-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 431-0065	10-05-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 431-0078	10-05-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 431-0093	10-05-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 432-0026 ¹	3-25-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 432-0059 ¹	3-25-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 432-0079 ¹	3-25-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 432-0092 ¹	3-25-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 432-0092	8-24-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 433-0064 ¹	5-19-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 433-0090 ¹	5-19-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 433-0104 ¹	5-19-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 433-0104-D ¹	5-19-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 433-0118	6-08-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 433-0140	6-09-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 435-0064	9-19-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 435-0090	9-16-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 435-0105	9-15-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 435-0121	9-15-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 435-0140	9-16-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 436-0036	8-17-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 436-0060 ¹	5-19-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 436-0060-D ¹	5-19-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 436-0076 ¹	5-19-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 436-0091 ¹	5-19-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 436-0115	8-18-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 436-0141	8-19-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 443-0089 ¹	7-07-93	--	<1	<1	<1	<10	<10	<1	<5
FSW 443-0104 ¹	7-07-93	--	2	<1	<1	<10	<10	<1	<3
FSW 443-0117	10-03-94	2.1	--	<.2	<.2	.3	.6	<.2	<.2
FSW 443-0117-D	10-03-94	2.1	--	<.2	<.2	.3	.6	<.2	<.2
FSW 443-0140	10-03-94	.6	--	<.2	<.2	<.2	.2	<.2	<.2
FSW 459-0064	10-04-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 459-0091 ¹	7-07-93	--	<1	<1	<1	<10	<10	<1	<3
FSW 459-0106 ¹	7-07-93	--	<1	<1	<1	<10	<10	<1	<3
FSW 459-0121	10-04-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 459-0136	10-04-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2

¹Source of data: ABB Environmental Services, Inc.

Table 19. Major volatile organic compounds analyses for water samples from wells, Ashumet Valley, Massachusetts, May 1993 through October 1994—*Continued*

Well cluster site and well No.	Date	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethylene (µg/L)	Trichloroethylene (µg/L)	Tetrachloroethylene (µg/L)	<i>trans</i> -1,2-Dichloroethene (µg/L)
FSW 460-0080	8-25-94	0.9	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
FSW 460-0100	8-25-94	1.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 460-0120	8-26-94	.7	<.2	<.2	<.2	<.2	<.2	<.2
FSW 460-0140	8-26-94	<.2	<.2	<.2	<.2	3.2	.4	<.2
FSW 470-0091	9-21-94	.6	<.2	<.2	<.2	<.2	<.2	<.2
FSW 470-0106	9-21-94	.6	<.2	<.2	<.2	<.2	<.2	<.2
FSW 470-0119	9-21-94	.6	<.2	<.2	<.2	<.2	<.2	<.2
FSW 470-0142	9-21-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 474-0080	9-15-94	.4	<.2	<.2	<.2	<.2	<.2	<.2
FSW 474-0100	9-15-94	1.0	<.2	<.2	<.2	<.2	<.2	<.2
FSW 474-0115	9-14-94	.5	<.2	<.2	<.2	<.2	<.2	<.2
FSW 474-0129	9-14-94	.5	<.2	<.2	<.2	<.2	.8	<.2
FSW 474-0147	9-14-94	<.2	.5	.3	<.2	14	35	<.2
FSW 484-0007	10-06-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 484-0023	10-06-94	.9	<.2	<.2	<.2	<.2	<.2	<.2
FSW 484-0078	10-06-94	1.0	<.2	<.2	<.2	<.2	<.2	<.2
FSW 484-0108	10-06-94	.9	<.2	.2	<.2	3.0	12	<.2
FSW 487-0012 ¹	7-08-93	<1	<1	<1	<1	<1	<1	--
FSW 487-0023 ¹	7-08-93	<1	<1	<1	<1	<1	<1	--
FSW 487-0078	10-11-94	.8	<.2	<.2	<.2	<.2	<.2	<.2
FSW 487-0112	10-12-94	.6	<.2	<.2	<.2	<.2	<.2	<.2
FSW 493-0008	10-12-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 493-0024	10-12-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 493-0074	10-12-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 493-0115	10-12-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 501-0087 ¹	7-07-93	<1	<1	<1	<1	2	<1	--
FSW 501-0087-D ¹	7-07-93	<1	<1	<1	<1	2	<1	--
FSW 501-0102 ¹	7-07-93	<1	<1	<1	<1	3	<1	--
FSW 501-0117	9-29-94	<.2	<.2	<.2	<.2	3.5	.2	<.2
FSW 502-0087 ¹	5-19-93	<1	<1	<1	<1	1	2	--
FSW 502-0102 ¹	5-19-93	1	<1	<1	<1	1	3	--
FSW 502-0117	9-27-94	<.2	<.2	<.2	<.2	.4	.3	<.2
FSW 502-0128	9-27-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 502-0139	9-27-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 564-0016 ¹	3-30-94	<1	<1	<1	<1	<1	<1	<1
FSW 564-0016-D ¹	3-30-94	<1	<1	<1	<1	<1	<1	<1
FSW 564-0100 (AVP/MW580) ¹	3-30-94	<1	<1	<1	<1	<1	<1	<1
FSW 564-0138 ¹	3-30-94	<1	<1	<1	<1	<1	<1	<1
FSW 567-0136 ¹	3-25-94	<1	<1	<1	<1	<1	<1	<1

¹Source of data: ABB Environmental Services, Inc.

Table 19. Major volatile organic compounds analyses for water samples from wells, Ashumet Valley, Massachusetts, May 1993 through October 1994—*Continued*

Well cluster site and well No.	Date	<i>cis</i> -1,2-Dichloroethene (µg/L)	1,2-Dichloroethene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	Ethylbenzene (µg/L)	Xylene (µg/L)
FSW 460-0080	8-25-94	<0.2	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
FSW 460-0100	8-25-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 460-0120	8-26-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 460-0140	8-26-94	1.0	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 470-0091	9-21-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 470-0106	9-21-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 470-0119	9-21-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 470-0142	9-21-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 474-0080	9-15-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 474-0100	9-15-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 474-0115	9-14-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 474-0129	9-14-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 474-0147	9-14-94	7.9	--	<.2	<.2	.3	1.1	<.2	<.2
FSW 484-0007	10-06-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 484-0023	10-06-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 484-0078	10-06-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 484-0108	10-06-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 487-0012 ¹	7-08-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 487-0023 ¹	7-08-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 487-0078	10-11-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 487-0112	10-12-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 493-0008	10-12-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 493-0024	10-12-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 493-0074	10-12-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 493-0115	10-12-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 501-0087 ¹	7-07-93	--	<1	<1	<1	<10	<10	<1	<8
FSW 501-0087-D ¹	7-07-93	--	<1	<1	<1	<10	<10	<1	<6
FSW 501-0102 ¹	7-07-93	--	<1	<1	<1	<10	<10	<1	<6
FSW 501-0117	9-29-94	.4	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 502-0087 ¹	5-19-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 502-0102 ¹	5-19-93	--	<1	<1	<1	<10	<10	<1	<1
FSW 502-0117	9-27-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 502-0128	9-27-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 502-0139	9-27-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
FSW 564-0016 ¹	3-30-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 564-0016-D ¹	3-30-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 564-0100 (AVP/MW580) ¹	3-30-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 564-0138 ¹	3-30-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 567-0136 ¹	3-25-94	<1	--	<1	2	<1	<1	<1	<1

¹Source of data: ABB Environmental Services, Inc.

Table 19. Major volatile organic compounds analyses for water samples from wells, Ashumet Valley, Massachusetts, May 1993 through October 1994—*Continued*

Well cluster site and well No.	Date	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethylene (µg/L)	Trichloroethylene (µg/L)	Tetrachloroethylene (µg/L)	<i>trans</i> -1,2-Dichloroethene (µg/L)
FSW 582-0013 (AVP/MW582D) ¹	4-06-94	<1	<1	<1	<1	2	<1	<1
FSW 582-0038 (AVP/MW582C) ¹	4-06-94	<1	<1	<1	<1	<1	<1	<1
FSW 582-0073 (AVP/MW582B) ¹	4-06-94	3	<1	<1	3	<1	<1	<1
FSW 582-0168 (AVP/MW582A) ¹	4-06-94	<1	<1	<1	<1	2	<1	<1
FSW 583-0013 (AVP/MW583E) ¹	4-06-94	<1	<1	<1	<1	<1	<1	<1
FSW 583-0058 (AVP/MW583D) ¹	4-07-94	<1	<1	<1	<1	<1	<1	<1
FSW 583-0058 (AVP/MW583D)-D ¹	4-07-94	<1	<1	<1	<1	<1	<1	<1
FSW 583-0089 (AVP/MW583C) ¹	4-07-94	<1	<1	<1	<1	65	19	<1
FSW 583-0138 (AVP/MW583B) ¹	4-07-94	<1	<1	<1	2	49	4	<1
FSW 583-0173 (AVP/MW583A) ¹	4-07-94	<1	<1	<1	<1	<1	<1	<1
FSW 584-0013 (AVP/MW584D) ¹	4-07-94	<1	<1	<1	<1	<1	<1	<1
FSW 584-0103 (AVP/MW584C) ¹	4-07-94	<1	<1	<1	<1	<1	<1	<1
FSW 584-0148 (AVP/MW584B) ¹	4-08-94	<1	<1	<1	<1	21	21	<1
FSW 584-0198 (AVP/MW584A) ¹	4-08-94	<1	<1	<1	<1	<1	<1	<1
FSW 585-0048 (AVP/MW585D) ¹	3-26-94	3	<1	<1	<1	<1	<1	<1
FSW 585-0084 (AVP/MW585C) ¹	3-26-94	<1	<1	<1	<1	<1	<2	<1
FSW 585-0099 (AVP/MW585B) ¹	3-26-94	3	<1	<1	3	34	27	<1
FSW 585-0124 (AVP/MW585A) ¹	3-26-94	<1	<1	<1	<1	<1	<1	<1
FSW 587-0045 (AVP/MW587D) ¹	4-06-94	<1	<1	<1	<1	<1	<1	<1
FSW 587-0098 (AVP/MW587C) ¹	4-06-94	<1	<1	<1	<1	<1	<1	<1
FSW 587-0167 (AVP/MW587A) ¹	3-31-94	<1	<1	<1	<1	<1	<1	<1
FSW 587-0118 (AVP/MW587B) ¹	3-31-94	<1	<1	<1	<1	<1	<1	<1
FSW 588-0089 (AVP/MW588) ¹	3-31-94	<1	<1	<1	<1	<1	13	<1
FSW 589-0078 (AVP/MW589) ¹	3-31-94	<1	<1	<1	<1	<1	<3	<1
FSW 592-0115 (AVP/MW592) ¹	4-13-94	<1	<1	<1	<1	<1	<1	<1
FSW 592-0115 (AVP/MW592)-D ¹	4-13-94	<1	<1	<1	<1	<1	<1	<1
SDW 313-0020 ¹	3-29-94	<1	<1	<1	<1	<1	<1	<1
SDW 313-0038 ¹	3-29-94	<1	<1	<1	<1	<1	<1	<1
SDW 313-0038-D ¹	3-29-94	<1	<1	<1	<1	<1	<1	<1
SDW 313-0060 ¹	3-29-94	<1	<1	<1	<1	<1	<1	<1
SDW 313-0080 ¹	3-29-94	<1	<1	<1	<1	<1	<1	<1
SDW 314-0035 ¹	3-28-94	<1	<1	<1	<1	<1	<1	<1
SDW 314-0051 ¹	3-28-94	13	<1	<1	<1	<1	<1	<1
SDW 314-0075 ¹	5-12-93	2	<1	<1	<1	<1	<1	<1
SDW 314-0075 ¹	3-28-94	2	<1	<1	<1	<1	<1	--
SDW 314-0098 ¹	5-12-93	<2	<2	<2	<2	9	23	--
SDW 314-0098 ¹	3-28-94	<1	<1	<1	<1	2	6	<1
SDW 314-0098	6-16-94	1.1	<2	<.2	<.2	3.3	10	<.2
SDW 314-0098-D	6-16-94	1.1	<2	<.2	<.2	3.5	9.9	<.2
SDW 314-0108 (AVP/MW314) ¹	4-08-94	<1	<1	<1	<1	<1	2	<1

¹Source of data: ABB Environmental Services, Inc.

Table 19. Major volatile organic compounds analyses for water samples from wells, Ashumet Valley, Massachusetts, May 1993 through October 1994—*Continued*

Well cluster site and well No.	Date	<i>cis</i> -1,2-Dichloroethene (µg/L)	1,2-Dichloroethene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	Ethylbenzene (µg/L)	Xylene (µg/L)
FSW 582-0013 (AVP/MW582D) ¹	4-06-94	<2	--	<1	4	<1	<1	<1	<1
FSW 582-0038 (AVP/MW582C) ¹	4-06-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 582-0073 (AVP/MW582B) ¹	4-06-94	350	--	<1	4	<1	<1	<1	<1
FSW 582-0168 (AVP/MW582A) ¹	4-06-94	15	--	<1	<1	<1	<1	<1	<1
FSW 583-0013 (AVP/MW583E) ¹	4-06-94	<2	--	<1	<1	<1	<1	<1	<1
FSW 583-0058 (AVP/MW583D) ¹	4-07-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 583-0058 (AVP/MW583D)-D ¹	4-07-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 583-0089 (AVP/MW583C) ¹	4-07-94	7	--	<1	<1	<1	<1	<1	<1
FSW 583-0138 (AVP/MW583B) ¹	4-07-94	<1	--	<1	5	<1	<1	<1	<1
FSW 583-0173 (AVP/MW583A) ¹	4-07-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 584-0013 (AVP/MW584D) ¹	4-07-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 584-0103 (AVP/MW584C) ¹	4-07-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 584-0148 (AVP/MW584B) ¹	4-08-94	32	--	<1	6	<1	<1	<1	<1
FSW 584-0198 (AVP/MW584A) ¹	4-08-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 585-0048 (AVP/MW585D) ¹	3-26-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 585-0084 (AVP/MW585C) ¹	3-26-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 585-0099 (AVP/MW585B) ¹	3-26-94	86	--	<1	<1	<1	<1	<1	<1
FSW 585-0124 (AVP/MW585A) ¹	3-26-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 587-0045 (AVP/MW587D) ¹	4-06-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 587-0098 (AVP/MW587C) ¹	4-06-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 587-0167 (AVP/MW587A) ¹	3-31-94	<1	--	<1	12	<1	<1	<1	<1
FSW 587-0118 (AVP/MW587B) ¹	3-31-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 588-0089 (AVP/MW588) ¹	3-31-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 589-0078 (AVP/MW589) ¹	3-31-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 592-0115 (AVP/MW592) ¹	4-13-94	<1	--	<1	<1	<1	<1	<1	<1
FSW 592-0115 (AVP/MW592)-D ¹	4-13-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 313-0020 ¹	3-29-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 313-0038 ¹	3-29-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 313-0038-D ¹	3-29-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 313-0060 ¹	3-29-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 313-0080 ¹	3-29-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 314-0035 ¹	3-28-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 314-0051 ¹	3-28-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 314-0075 ¹	5-12-93	--	<1	<1	<1	<1	<1	<1	<1
SDW 314-0075 ¹	3-28-94	<1	--	<1	<1	<10	<10	<1	<1
SDW 314-0098 ¹	5-12-93	--	45	<2	<2	<10	<10	<2	<2
SDW 314-0098 ¹	3-28-94	8	--	<1	<1	<1	<1	<1	<1
SDW 314-0098	6-16-94	17	--	<.2	<.2	<.2	<.2	<.2	<.2
SDW 314-0098D	6-16-94	19	--	<.2	<.2	<.2	<.2	<.2	<.2
SDW 314-0108 (AVP/MW314) ¹	4-08-94	<3	--	<1	<1	<1	<1	<1	<1

¹Source of data: ABB Environmental Services, Inc.

Table 19. Major volatile organic compounds analyses for water samples from wells, Ashumet Valley, Massachusetts, May 1993 through October 1994—*Continued*

Well cluster site and well No.	Date	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethylene (µg/L)	Trichloroethylene (µg/L)	Tetrachloroethylene (µg/L)	<i>trans</i> -1,2-Dichloroethene (µg/L)
SDW 315-0061 ¹	3-23-94	<1	<1	<1	<1	<1	<1	<1
SDW 315-0082 ¹	3-23-94	<1	<1	<1	<1	<1	<1	<1
SDW 315-0104 ¹	3-23-94	<1	<1	<1	<1	<1	<1	<1
SDW 315-0126 ¹	3-23-94	<1	<1	<1	<1	<1	<1	<1
SDW 315-0149 ¹	3-23-94	<1	<1	<1	<1	<1	<1	<1
SDW 316-0051 ¹	5-12-93	<1	<1	<1	<1	<1	1	--
SDW 316-0051 ¹	6-23-94	<1	<1	<1	<1	<1	<1	<1
SDW 316-0066 ¹	5-12-93	<1	<1	<1	<1	<1	<1	--
SDW 316-0066 ¹	6-23-94	<1	<1	<1	<1	<1	<1	<1
SDW 316-0082 ¹	5-12-93	1	<1	<1	<1	<1	4	--
SDW 316-0082 ¹	6-23-94	2	<1	<1	<1	<1	13	<1
SDW 316-0100 ¹	5-12-93	<1	<1	<1	<1	1	18	--
SDW 316-0100 ¹	6-23-94	<1	<1	<1	<1	<1	13	<1
SDW 316-0114 (AVP/MW316C) ¹	4-13-94	<1	<1	<1	<1	<1	<1	<1
SDW 316-0134 ¹	5-12-93	<1	<1	<1	<1	2	11	--
SDW 316-0134 ¹	6-23-94	<1	<1	<1	<1	<1	<1	<1
SDW 316-0148 (AVP/MW316B) ¹	4-13-94	<1	<1	<1	<1	<1	<1	<1
SDW 316-0163 (AVP/MW316A) ¹	4-13-94	<1	<1	<1	<1	<1	<1	<1
SDW 317-0027	10-14-94	.3	<.2	<.2	<.2	<.2	<.2	<.2
SDW 317-0051	10-14-94	2.2	<.2	<.2	<.2	<.2	<.2	<.2
SDW 318-0036	6-17-94	1.0	<.2	<.2	<.2	<.2	<.2	<.2
SDW 318-0064	6-17-94	.7	<.2	<.2	<.2	<.2	<.2	<.2
SDW 344-0038 ¹	3-25-94	<1	<1	<1	<1	<1	<1	<1
SDW 344-0061 ¹	3-25-94	<1	<1	<1	<1	<1	<1	<1
SDW 344-0080 ¹	3-25-94	<1	<1	<1	<1	<1	<1	<1
SDW 344-0100 ¹	3-25-94	<1	<1	<1	<1	<1	<1	<1
SDW 344-0100-D ¹	3-25-94	<1	<1	<1	<1	<1	<1	<1
SDW 395-0028 (CS16MW7)	10-19-94	1.2	<.2	<.2	<.2	<.2	<.2	<.2
SDW 423-0058 (FTA1MW428B) ¹	3-28-94	<1	<1	<1	<1	<1	<1	<1
SDW 423-0058 (FTA1MW428B)-D ¹	3-28-94	<1	<1	<1	<1	<1	<1	<1
SDW 423-0098 (FTA1MW428A) ¹	3-28-94	<1	<1	<1	<1	<1	<1	<1
SDW 434-0014 (CS16MW3)	7-05-94	.7	<.2	<.2	<.2	<.2	<.2	<.2
SDW 434-0025 (CS16MW3B) ¹	3-27-94	2	<1	<1	<1	<1	5	<1
SDW 434-0076 (CS16MW3A) ¹	3-27-94	<1	<1	<1	<1	<1	<1	<1
SDW 440-0078 ¹	3-27-94	<1	<1	<1	<1	<1	7	<1
SDW 467-0058	6-30-94	.9	<.2	<.2	<.2	<.2	.9	<.2
SDW 590-0074 (AVP/MW590) ¹	4-12-94	<1	<1	<1	<1	<2	5	<1
SDW 593-0075 (AVP/MW593) ¹	4-12-94	2	<1	<1	<1	<1	<1	<1

¹Source of data: ABB Environmental Services, Inc.

Table 19. Major volatile organic compounds analyses for water samples from wells, Ashumet Valley, Massachusetts, May 1993 through October 1994—*Continued*

Well cluster site and well No.	Date	<i>cis</i> -1,2-Dichloroethene (µg/L)	1,2-Dichloroethene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	1,2-Dichlorobenzene (µg/L)	1,4-Dichlorobenzene (µg/L)	Ethylbenzene (µg/L)	Xylene (µg/L)
SDW 315-0061 ¹	3-23-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 315-0082 ¹	3-23-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 315-0104 ¹	3-23-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 315-0126 ¹	3-23-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 315-0149 ¹	3-23-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 316-0051 ¹	5-12-93	--	<1	<1	<1	<10	<10	<1	<1
SDW 316-0051 ¹	6-23-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 316-0066 ¹	5-12-93	--	<1	<1	<1	<10	<10	<1	<1
SDW 316-0066 ¹	6-23-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 316-0082 ¹	5-12-93	--	<1	<1	<1	<10	<10	<1	<1
SDW 316-0082 ¹	6-23-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 316-0100 ¹	5-12-93	--	9	<1	<1	<10	<10	<1	<1
SDW 316-0100 ¹	6-23-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 316-0114 (AVP/MW316C) ¹	4-13-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 316-0134 ¹	5-12-93	--	<1	<1	<1	<10	<10	<1	<1
SDW 316-0134 ¹	6-23-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 316-0148 (AVP/MW316B) ¹	4-13-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 316-0163 (AVP/MW316A) ¹	4-13-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 317-0027	10-14-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
SDW 317-0051	10-14-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
SDW 318-0036	6-17-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
SDW 318-0064	6-17-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
SDW 344-0038 ¹	3-25-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 344-0061 ¹	3-25-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 344-0080 ¹	3-25-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 344-0100 ¹	3-25-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 344-0100-D ¹	3-25-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 395-0028 (CS16MW7)	10-19-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
SDW 423-0058 (FTA1MW428B) ¹	3-28-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 423-0058 (FTA1MW428B)-D ¹	3-28-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 423-0098 (FTA1MW428A) ¹	3-28-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 434-0014 (CS16MW3)	7-05-94	<.2	--	<.2	<.2	<.2	<.2	<.2	<.2
SDW 434-0025 (CS16MW3B) ¹	3-27-94	4	--	<1	<1	<1	<1	<1	<1
SDW 434-0076 (CS16MW3A) ¹	3-27-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 440-0078 ¹	3-27-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 467-0058	6-30-94	.3	--	<.2	<.2	<.2	<.2	<.2	<.2
SDW 590-0074 (AVP/MW590) ¹	4-12-94	<1	--	<1	<1	<1	<1	<1	<1
SDW 593-0075 (AVP/MW593) ¹	4-12-94	<1	--	<1	<1	<1	<1	<1	<1

¹Source of data: ABB Environmental Services, Inc.

Table 20. Dissolved-gases analyses for water samples from selected wells, Ashumet Valley, Massachusetts, June through November 1994

[Source of data: Richard L. Smith, U.S. Geological Survey, Water Resources Division, National Research Program. **Well cluster site and well No.:** Locations of well clusters and wells are shown in figures 2 and 3. No., number; D, duplicate sample. μM , micromolar; mM , millimolar; <, actual value is less than method detection limit; --, no data available]

Well cluster site and well No.	Date	Nitrous oxide (μM)	Carbon, inorganic, dissolved, plus carbon dioxide (mM)	Methane (μM)	Well cluster site and well No.	Date	Nitrous oxide (μM)	Carbon, inorganic, dissolved, plus carbon dioxide (mM)	Methane (μM)
FSW 230-0042	7-20-94	2.00	2.05	<0.2	FSW 300-0010	6-20-94	<0.01	0.67	<0.2
FSW 230-0042-D	7-20-94	2.01	--	--	FSW 300-0030	6-21-94	.99	2.96	<.2
FSW 230-0048	7-20-94	4.84	3.62	<.2	FSW 300-0050	6-22-94	<.01	3.71	<.2
FSW 230-0048-D	7-20-94	5.16	--	--	FSW 300-0073	6-21-94	<.01	1.43	<.2
FSW 230-0049	7-20-94	7.77	3.12	<.2	FSW 300-0099	6-21-94	<.01	.83	<.2
FSW 230-0049-D	7-20-94	7.40	--	--	FSW 300-0118	6-21-94	.09	.84	<.2
FSW 230-0058	7-20-94	2.21	2.21	<.2	FSW 300-0138	6-21-94	.04	.56	<.2
FSW 230-0068	7-21-94	3.96	.72	<.2	FSW 343-0036	8-31-94	.13	5.50	<.2
FSW 230-0078	7-22-94	1.11	.66	<.2	FSW 343-0057	8-31-94	<.01	8.02	<.2
FSW 230-0088	7-21-94	.39	2.00	<.2	FSW 343-0079	8-30-94	<.01	8.87	<.2
FSW 230-0108	7-21-94	<.01	.61	<.2	FSW 343-0099	8-30-94	.01	2.44	<.2
FSW 230-0127	7-22-94	.03	.37	<.2	FSW 343-0114	8-30-94	.01	1.76	<.2
FSW 236-0070	10-20-94	<.01	.28	<.2	FSW 343-0129	8-30-94	.01	1.95	<.2
FSW 236-0089	10-20-94	.04	.46	<.2	FSW 343-0145	8-31-94	.08	1.92	<.2
FSW 236-0106	10-20-94	.01	.27	<.2	FSW 347-0020	10-18-94	.09	.29	<.2
FSW 236-0121	10-20-94	<.01	.11	<.2	FSW 347-0031	10-18-94	.60	1.63	<.2
FSW 236-0141	10-20-94	.02	.24	<.2	FSW 347-0038	10-18-94	5.42	1.76	<.2
FSW 244-0070	8-12-94	2.63	1.91	<.2	FSW 347-0038-D	10-18-94	<.01	.00	<.2
FSW 244-0090	8-11-94	<.01	1.98	<.2	FSW 347-0046	10-18-94	.28	1.57	<.2
FSW 244-0119	8-11-94	.68	.99	<.2	FSW 347-0067	10-19-94	<.01	1.99	<.2
FSW 254-0026	7-12-94	<.01	.94	<.2	FSW 347-0101	10-19-94	<.01	.38	<.2
FSW 254-0054	7-12-94	8.36	3.40	<.2	FSW 347-0116	10-18-94	.03	.29	<.2
FSW 254-0054-D	7-12-94	7.98	--	--	FSW 347-0131	10-18-94	.01	.46	<.2
FSW 254-0072	7-12-94	<.01	2.35	<.2	FSW 347-0145	10-19-94	.01	.61	<.2
FSW 254-0107	7-12-94	<.01	.69	<.2	FSW 350-0013	9-06-94	<.01	.80	<.2
FSW 254-0140	7-13-94	1.07	2.33	<.2	FSW 350-0052	9-06-94	.05	2.19	<.2
FSW 254-0168	7-13-94	<.01	1.41	<.2	FSW 350-0064	9-07-94	<.01	2.36	<.2
FSW 254-0216	7-13-94	<.01	.53	<.2	FSW 350-0077	9-06-94	.07	3.95	<.2
FSW 262-0041	7-14-94	.26	2.65	<.2	FSW 350-0084	9-07-94	.18	5.95	.2
FSW 262-0069	7-14-94	<.01	1.44	<.2	FSW 350-0110	9-07-94	.32	5.45	<.2
FSW 262-0085	7-14-94	.35	1.35	<.2	FSW 350-0125	9-08-94	.80	4.07	<.2
FSW 262-0109	7-14-94	.21	2.32	<.2	FSW 350-0140	9-08-94	.11	2.39	<.2
FSW 262-0126	8-29-94	.89	1.55	<.2	FSW 375-0015	8-15-94	<.01	--	194.1
FSW 262-0159	7-14-94	.27	2.13	<.2	FSW 375-0041	8-15-94	<.01	.46	.6
FSW 271-0041	6-28-94	<.01	1.09	<.2	FSW 375-0055	8-16-94	<.01	.51	<.2
FSW 271-0069	6-22-94	.14	1.60	<.2	FSW 375-0071	8-16-94	.76	1.15	<.2
FSW 271-0084	6-22-94	.08	1.99	<.2	FSW 375-0081	8-16-94	.69	1.35	<.2
FSW 271-0085	6-23-94	.08	1.72	<.2	FSW 375-0099	8-16-94	.03	.74	<.2
FSW 271-0099	6-22-94	.11	3.19	<.2	FSW 375-0119	8-17-94	.01	.62	<.2
FSW 271-0114	6-23-94	.42	3.50	.2					
FSW 271-0141	6-23-94	.39	2.21	<.2					
FSW 271-0165	6-24-94	<.01	1.79	<.2					

Table 20. Dissolved-gases analyses for water samples from selected wells, Ashumet Valley, Massachusetts, June through November 1994

Well cluster site and well No.	Date	Nitrous oxide (µM)	Carbon, inorganic, dissolved, plus carbon dioxide (mM)	Methane (µM)	Well cluster site and well No.	Date	Nitrous oxide (µM)	Carbon, inorganic, dissolved, plus carbon dioxide (mM)	Methane (µM)
FSW 383-0023	8-10-94	0.10	0.66	<0.2	SDW 314-0035	6-16-94	2.26	2.17	<0.2
FSW 383-0030	8-10-94	2.48	1.72	<.2	SDW 314-0051	6-16-94	.78	2.27	<.2
FSW 383-0040	8-09-94	3.30	1.80	<.2	SDW 314-0051-D	6-16-94	.73	--	--
FSW 383-0061	8-10-94	<.01	1.94	<.2	SDW 314-0075	6-16-94	<.01	2.97	<.2
FSW 383-0082	8-10-94	<.01	1.47	2.6	SDW 314-0098	6-16-94	.14	1.71	<.2
FSW 383-0106	8-10-94	.01	.49	<.2	SDW 314-0098-D	6-16-94	.08	--	--
FSW 383-0129	8-11-94	<.01	.57	<.2	SDW 314-0108	10-07-94	.01	.70	<.2
FSW 411-0036	9-20-94	.86	2.09	<.2	SDW 315-0061	11-15-94	.11	.66	1.5
FSW 411-0054	9-20-94	.06	.61	<.2	SDW 315-0082	11-02-94	.07	.42	1.5
FSW 411-0065	9-20-94	<.01	4.12	1.6	SDW 315-0104	11-02-94	.08	.36	.4
FSW 411-0081	9-20-94	<.01	2.73	.3	SDW 315-0126	11-02-94	.07	.46	<.2
FSW 411-0094	9-20-94	<.01	.80	<.2	SDW 315-0149	11-02-94	.04	.53	.5
FSW 411-0106	9-21-94	.18	1.21	<.2	SDW 316-0051	10-31-94	.15	.95	.4
FSW 411-0122	9-21-94	<.01	.50	<.2	SDW 316-0066	11-01-94	18.56	1.85	<.2
FSW 422-0045	6-15-94	.28	.71	<.2	SDW 316-0082	10-31-94	.03	1.45	.4
FSW 422-0065	6-15-94	16.68	1.53	<.2	SDW 316-0100	10-31-94	.01	1.14	.9
FSW 422-0085	6-15-94	22.64	2.08	<.2	SDW 316-0114	11-01-94	.06	1.10	<.2
FSW 422-0105	6-15-94	4.27	2.06	<.2	SDW 316-0134	10-31-94	.13	.59	.4
FSW 424-0020	7-06-94	<.01	1.45	<.2	SDW 316-0148	11-01-94	.05	.36	.4
FSW 436-0036	8-17-94	.09	.76	<.2	SDW 316-0163	11-01-94	.05	.47	1.8
FSW 436-0060	8-17-94	.02	.32	<.2	SDW 318-0036	6-17-94	<.01	3.74	<.2
FSW 436-0060-D	8-17-94	.02	--	--	SDW 318-0064	6-17-94	12.28	5.15	<.2
FSW 436-0076	8-18-94	.61	1.05	<.2	SDW 344-0038	11-03-94	.21	1.35	2.2
FSW 436-0091	8-18-94	<.01	.83	.7	SDW 344-0061	11-03-94	9.55	2.99	2.5
FSW 436-0115	8-18-94	<.01	.55	<.2	SDW 344-0080	11-03-94	.01	1.70	2.8
FSW 436-0141	8-19-94	<.01	1.28	<.2	SDW 344-0100	11-03-94	<.01	.91	3.2
FSW 484-0007	10-06-94	.02	.22	<.2	SDW 423-0058	11-04-94	.01	1.15	1.5
FSW 484-0023	10-06-94	.12	.35	<.2	SDW 423-0098	11-04-94	<.01	.60	1.2
FSW 484-0078	10-06-94	.26	.32	<.2	SDW 590-0074	11-03-94	.48	2.46	3.1
FSW 484-0108	10-06-94	<.01	.32	<.2	SDW 593-0075	11-03-94	<.01	.76	3.7
FSW 567-0136	11-09-94	<.01	.80	3.1					

Table 21. Abundances, average lengths, and percentage of free-living bacteria in selected size categories for water samples from selected wells, Ashumet Valley, Massachusetts, June through July 1994

[Source of data: David W. Metzge, U.S. Geological Survey, Water Resources Division, National Research Program. Well cluster site and well No.: Locations of wells are shown in figures 2 and 3. No., number. no./mL, number per milliliter; μm , micrometer]

Well cluster site and well No.	Date	Number of microbes analyzed	Abundance (no./mL)	Standard error of abundance	Average length (μm)	Percentage of microbes analyzed in each indicated bacterial-size category (in μm)													
						0.16	0.32	0.48	0.64	0.8	0.96	1.12	1.28	1.44	1.6	1.76	1.92	2.08	2.24
FSW 230-0049	7-20-94	311	3.93×10^5	3.00×10^4	0.80 ± 0.02	0	6.4	28	23.2	11.3	7.7	5.8	7.7	4.8	1.3	3.2	0.6	0	0
FSW 230-0058	7-20-94	289	3.10×10^6	2.37×10^5	0.80 ± 0.02	0	4.8	22.8	28.4	12.1	9.3	5.2	7.3	5.2	2.4	1.7	.4	.4	0
FSW 393-0037	7-24-94	181	8.59×10^4	2.52×10^3	0.66 ± 0.03	8.8	18.8	6.6	19.3	19.3	8.8	12.7	4.4	.6	0	0	0	0	0
SDW 314-0035	6-16-94	263	2.10×10^5	9.79×10^3	0.88 ± 0.03	0	6.1	25.1	14.5	12.6	11	9.1	6.1	3.4	6.1	3	1.1	1.5	.4
SDW 314-0051	6-16-94	513	1.13×10^6	1.37×10^5	0.73 ± 0.01	0	4.3	30.4	27.7	12.7	9.4	6.8	3.7	2.1	1.8	.8	.2	.2	0
SDW 318-0036	6-17-94	414	8.06×10^5	5.21×10^5	0.79 ± 0.02	0	5.6	23.9	25.9	12.3	10.9	7.7	6.3	3.4	1.9	1.2	.2	.5	.2
SDW 318-0064	6-17-94	471	1.84×10^6	1.48×10^5	0.78 ± 0.02	0	5.9	27	24.4	12.3	10.2	6.6	4.3	3.4	2.8	2.3	.6	0	.2

Table 22. Major cations, anions, and silica analyses for rinsewater blanks and equipment-rinsewater samples for wells, Ashumet Valley, Massachusetts, June and September 1994

[Source of data: U.S. Geological Survey National Water Quality Laboratory. Locations of wells are shown in figures 2 and 3. mg/L, milligram per liter; <, actual value is less than method detection limit; --, no data available]

Sample type and associated well	Date	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Potassium, dissolved (mg/L)	Silica, dissolved (mg/L as SiO ₂)	Sulfate, dissolved (mg/L)	Chloride, dissolved (mg/L)	Fluoride, dissolved (mg/L)	Bromide, dissolved (mg/L)
Rinsewater blank	6-08-94	<0.02	<0.01	<0.2	<0.1	0.02	<0.1	<0.1	<0.1	<0.010
Rinsewater blank	6-17-94	<.02	<.01	<.2	<.1	<.01	<.1	<.1	<.1	<.010
Rinsewater blank	9-28-94	<.02	<.01	<.2	<.1	.01	<.1	<.1	<.1	<.010
Equipment-rinsewater sample:										
FSW 433-0104	6-08-94	<.02	<.01	<.2	<.1	.02	<.1	<.1	<.1	<.010
SDW 314-0098	6-16-94	<.02	<.01	<.2	<.1	.03	<.1	<.1	<.1	<.010
FSW 271-0099	6-22-94	<.02	<.01	<.2	<.1	.01	<.1	<.1	<.1	<.010
FSW 271-0099 ¹	6-22-94	<.02	<.01	<.2	<.1	.02	<.1	<.1	<.1	<.010
FSW 271-0114	6-23-94	<.02	<.01	<.2	<.1	.03	<.1	<.1	<.1	<.010
FSW 350-0064	9-08-94	.02	<.01	<.2	<.1	<.01	--	--	--	<.010

¹Second equipment-rinsewater sample after additional 12 liters of rinsewater passed through pump.

Table 23. Nitrogen, phosphorus, and other major plume constituents analyses for rinsewater blanks and equipment-rinsewater samples for wells, Ashumet Valley, Massachusetts, June and September 1994

[Source of data: U.S. Geological Survey National Water Quality Laboratory. Locations of wells are shown in figures 2 and 3. mg/L, milligram per liter; µg/L, microgram per liter; <, actual value is less than method detection limit; --, no data available]

Sample type and associated well	Date	Nitrogen, nitrite, dissolved (mg/L as N)	Nitrogen, nitrite plus nitrate, dissolved (mg/L as N)	Nitrogen, ammonia, dissolved (mg/L as N)	Nitrogen, ammonia plus organic, dissolved (mg/L as N)	Phosphorus, ortho, dissolved (mg/L as P)	Boron, dissolved (µg/L)	Iron, dissolved (µg/L)	Manganese, dissolved (µg/L)	Carbon, organic, dissolved (mg/L as C)	Methylene blue active substances (mg/L)
Rinsewater blank	6-08-94	<0.01	<0.05	0.01	<0.20	<0.01	<10	<3	<1	0.8	<0.02
Rinsewater blank	6-17-94	<.01	.59	.01	<.20	.01	10	<3	<1	.2	<.02
Rinsewater blank	9-28-94	<.01	<.05	.01	<.20	<.01	<10	<3	<1	<.1	<.02
Equipment-rinsewater sample:											
FSW 433-0104	6-08-94	<.01	<.05	<.01	<.20	<.01	<10	5	<1	<.1	<.02
SDW 314-0098	6-16-94	<.01	<.05	.02	<.20	<.01	<10	<3	<1	<.1	<.02
FSW 271-0099	6-22-94	<.01	<.05	<.01	<.20	<.01	<10	<3	<1	<.1	<.02
FSW 271-0099 ¹	6-22-94	<.01	<.05	<.01	<.20	<.01	<10	<3	<1	<.1	<.02
FSW 271-0114	6-23-94	<.01	<.05	<.01	<.20	<.01	<10	<3	<1	<.1	<.02
FSW 350-0064	9-08-94	--	--	--	--	--	<10	4	<1	--	--

¹Second equipment-rinsewater sample after additional 12 liters of rinsewater passed through pump.

Table 24. Metals analyses for rinsewater blanks and equipment-rinsewater samples for wells, Ashumet Valley, Massachusetts, June and September 1994

[Source of data: U.S. Geological Survey National Water Quality Laboratory. Locations of wells are shown in figures 2 and 3. µg/L, microgram per liter; <, actual value is less than method detection limit]

Sample type and associated well	Date	Aluminum, dissolved (µg/L)	Barium, dissolved (µg/L)	Beryllium, dissolved (µg/L)	Cadmium, dissolved (µg/L)	Chromium, dissolved (µg/L)	Cobalt, dissolved (µg/L)	Copper, dissolved (µg/L)	Iron, dissolved (µg/L)
Rinsewater blank	6-08-94	<10	<2	<0.5	<1.0	<5	<3	<10	<3
Rinsewater blank	6-17-94	<10	<2	<.5	<1.0	<5	<3	<10	<3
Rinsewater blank	9-28-94	<10	<2	<.5	<1.0	<5	<3	<10	<3
Equipment-rinsewater sample:									
FSW 433-0104	6-08-94	<10	<2	<.5	<1.0	<5	<3	<10	5
SDW 314-0098	6-16-94	<10	<2	<.5	<1.0	<5	<3	<10	<3
FSW 271-0099	6-22-94	<10	<2	<.5	<1.0	<5	<3	<10	<3
FSW 271-0099 ¹	6-22-94	<10	<2	<.5	<1.0	<5	<3	<10	<3
FSW 271-0114	6-23-94	<10	<2	<.5	1.0	<5	<3	<10	<3
FSW 350-0064	9-08-94	<10	<2	<.5	<1.0	<5	<3	<10	4

Sample type and associated well	Lead, dissolved (µg/L)	Lithium, dissolved (µg/L)	Manganese, dissolved (µg/L)	Molybdenum, dissolved (µg/L)	Nickel, dissolved (µg/L)	Silver, dissolved (µg/L)	Strontium, dissolved (µg/L)	Vanadium, dissolved (µg/L)	Zinc, dissolved (µg/L)
Rinsewater blank	<10	<4	<1	<10	10	<1.0	<1	<6	<3
Rinsewater blank	<10	<4	<1	<10	<10	<1.0	<1	<6	<3
Rinsewater blank	<10	<4	<1	<10	<10	<1.0	<1	<6	<3
Equipment-rinsewater sample:									
FSW 433-0104	<10	<4	<1	<10	<10	<1.0	<1	<6	<3
SDW 314-0098	<10	<4	<1	<10	<10	<1.0	<1	<6	<3
FSW 271-0099	<10	<4	<1	<10	<10	<1.0	<1	<6	<3
FSW 271-0099 ¹	<10	<4	<1	<10	<10	2.0	<1	<6	4
FSW 271-0114	20	<4	<1	<10	<10	<1.0	<1	<6	5
FSW 350-0064	<10	<4	<1	<10	<10	4.0	<1	<6	<3

¹Second equipment-rinsewater sample after additional 12 liters of rinsewater passed through pump.

Table 25. Major volatile organic compounds analyses for rinsewater blanks, equipment-rinsewater samples, and trip blanks for wells, Ashumet Valley, Massachusetts, June through October 1994

[Source of data: U.S. Geological Survey National Water Quality Laboratory. All analyses on unfiltered samples. Locations of wells are shown in figures 2 and 3. µg/L, microgram per liter; <, actual value is less than method detection limit]

Sample type and associated well	Date	Chloroform (µg/L)	1,1-Dichloroethane (µg/L)	1,1,1-Trichloroethane (µg/L)	1,1-Dichloroethylene (µg/L)	Trichloroethylene (µg/L)	Tetrachloroethylene (µg/L)	trans-1,2-Dichloroethene (µg/L)
Rinsewater blank	6-09-94	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Rinsewater blank	6-17-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Rinsewater blank	9-28-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Equipment-rinsewater sample:								
FSW 433-0104	6-08-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
SDW 314-0098	6-16-94	<.2	<.2	<.3	<.2	<.2	<.2	<.2
FSW 271-0099	6-22-94	<.2	<.2	<.2	<.2	<.2	.2	<.2
FSW 271-0099 ¹	6-22-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 271-0114	6-23-94	<.2	<.2	<.2	<.2	.3	.9	<.2
FSW 271-0114 ¹	6-23-94	<.2	<.2	<.3	<.2	<.2	.2	<.2
FSW 282-0070	6-30-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 282-0070 ²	6-30-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 350-0084	9-07-94	.3	<.2	<.2	<.2	<.2	.3	<.2
Trip blank	6-06-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	6-15-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	6-21-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	6-28-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	7-05-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	7-19-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	8-15-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	8-23-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	8-30-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	9-06-94	.3	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	9-08-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	9-19-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	9-26-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	10-03-94	<.2	<.2	<.2	<.2	<.2	<.2	<.2

¹Second equipment-rinsewater sample after additional 12 liters of rinsewater passed through pump.

²Second equipment-rinsewater sample after additional 1 liter of rinsewater passed through pump.

Table 25. Major volatile organic compounds analyses for rinsewater blanks, equipment-rinsewater samples, and trip blanks for wells, Ashumet Valley, Massachusetts, June through October 1994—*Continued*

Sample type and associated well	cis-1,2-Di-chloro-ethene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	1,2-Di-chloro-benzene (µg/L)	1-4-Di-chloro-benzene (µg/L)	Ethyl-benzene (µg/L)	Xylene (µg/L)
Rinsewater blank	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Rinsewater blank	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Rinsewater blank	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Equipment-rinsewater sample:							
FSW 433-0104	<.2	<.2	<.2	<.2	<.2	<.2	<.2
SDW 314-0098	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 271-0099	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 271-0099 ¹	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 271-0114	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 271-0114 ¹	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 282-0070	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 282-0070 ²	<.2	<.2	<.2	<.2	<.2	<.2	<.2
FSW 350-0084	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	<.2	<.2	<.2	<.2	<.2	<.2	<.2
Trip blank	<.2	<.2	<.2	<.2	<.2	<.2	<.2

¹Second equipment-rinsewater sample after additional 12 liters of rinsewater passed through pump.

²Second equipment-rinsewater sample after additional 1 liter of rinsewater passed through pump.

Table 26. Field water-quality analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994

Multilevel-sampler port No.	Date	Specific conductance ($\mu\text{S}/\text{cm}$)	pH (standard units)	Oxygen, dissolved (mg/L)	Dissolved-oxygen method	Turbidity (NTU)	Ferrous iron (mg/L)
FSW 168 M15-01PT	12-13-94	94	4.52	4.6	M	0.21	--
FSW 168 M15-02GNT	12-13-94	105	5.10	8.2	M	.39	--
FSW 168 M15-03RT	12-13-94	70	5.29	7.8	M	.37	--
FSW 168 M15-04BUT	12-13-94	77	5.31	8.1	M	.70	--
FSW 168 M15-05BKT	12-13-94	94	5.33	7.9	M	.96	--
FSW 168 M15-06WT	12-13-94	91	5.42	6.6	M	.66	--
FSW 168 M15-07O	12-13-94	164	5.92	.15	C	.28	--
FSW 168 M15-08GY	12-13-94	109	6.25	.2	C	.62	--
FSW 168 M15-09Y	12-13-94	149	6.32	.5	C	.72	--
FSW 168 M15-10P	12-13-94	149	6.37	.1	C	.81	--
FSW 168 M15-11GN	12-13-94	138	6.26	.08	C	.32	--
FSW 168 M15-12R	12-13-94	167	6.12	.03	C	.25	0
FSW 168 M15-13BU	12-13-94	167	6.10	.15	C	.44	--
FSW 168 M15-14BK	12-13-94	166	6.18	.08	C	.30	--
FSW 168 M15-15W	12-13-94	190	6.11	.1	C	.46	--
FSW 239 M01-01PT	11-30-94	267	5.38	.5	C	.36	--
FSW 239 M01-02GNT	11-30-94	298	5.09	2.6	M	.49	--
FSW 239 M01-03RT	11-30-94	366	4.87	5.3	M	.29	--
FSW 239 M01-04BUT	11-30-94	332	5.66	7.9	M	.70	--
FSW 239 M01-05BKT	11-30-94	520	5.95	4.6	M	3.6	--
FSW 239 M01-06WT	11-30-94	507	6.14	.7	C	1.3	--
FSW 239 M01-07O	11-30-94	400	6.33	.07	C	1.8	--
FSW 239 M01-08GY	11-30-94	343	6.40	.06	C	2.6	--
FSW 239 M01-09Y	11-30-94	313	6.43	.06	C	1.4	--
FSW 239 M01-10P	11-30-94	322	6.50	.05	C	.48	--
FSW 239 M01-11GN	11-30-94	307	6.43	.04	C	2.2	--
FSW 239 M01-12R	11-30-94	271	6.39	.04	C	1.2	--
FSW 239 M01-13BU	11-30-94	280	6.18	.04	C	1.1	--
FSW 239 M01-14BK	11-30-94	259	6.20	.06	C	.55	--
FSW 239 M01-15W	11-30-94	123	6.19	.04	C	.42	--
FSW 262 M01-02GNT	12-13-94	95	5.44	7.9	M	.68	--
FSW 262 M01-03RT	12-13-94	94	5.45	9.4	M	.84	--
FSW 262 M01-04BUT	12-13-94	111	5.61	8.8	M	.42	--
FSW 262 M01-05BKT	12-13-94	110	5.55	5.7	M	.31	--
FSW 262 M01-06WT	12-13-94	107	5.95	5.0	C	.56	--
FSW 262 M01-07O	12-13-94	208	6.56	.3	C	1.7	--
FSW 262 M01-08GY	12-13-94	235	6.50	.15	C	1.1	--
FSW 262 M01-09Y	12-13-94	219	6.75	.2	C	1.8	--
FSW 262 M01-10P	12-13-94	166	6.75	.2	C	2.0	--
FSW 262 M01-11GN	12-13-94	139	6.36	.3	C	.69	--
FSW 262 M01-12R	12-13-94	156	6.35	.4	C	.64	--
FSW 262 M01-13BU	12-13-94	166	6.33	.06	C	.16	--

Table 26. Field water-quality analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Specific conductance ($\mu\text{S}/\text{cm}$)	pH (standard units)	Oxygen, dissolved (mg/L)	Dissolved-oxygen method	Turbidity (NTU)	Ferrous iron (mg/L)
FSW 300 M02-01PT	12-12-94	224	6.20	0.09	C	0.45	--
FSW 300 M02-02GNT	12-12-94	265	6.46	.08	C	.52	--
FSW 300 M02-03RT	12-12-94	232	6.47	.04	C	.55	--
FSW 300 M02-04BUT	12-12-94	188	6.50	.04	C	1.6	--
FSW 300 M02-05BKT	12-12-94	148	6.54	.05	C	1.0	--
FSW 300 M02-06WT	12-12-94	144	6.52	.06	C	.66	--
FSW 300 M02-07O	12-12-94	144	6.52	.03	C	.98	0
FSW 300 M02-08GY	12-12-94	139	6.47	.05	C	.37	--
FSW 300 M02-09Y	12-12-94	174	6.47	.07	C	1.0	--
FSW 300 M02-10P	12-12-94	169	6.50	.06	C	1.4	--
FSW 300 M02-11GN	12-12-94	163	6.35	.05	C	1.1	--
FSW 300 M02-12R	12-12-94	160	6.35	.03	C	.43	--
FSW 300 M02-13BU	12-12-94	143	6.26	.05	C	.23	--
FSW 300 M02-14BK	12-12-94	127	6.22	.06	C	.24	--
FSW 300 M02-15W	12-12-94	95	6.30	.04	C	.97	--
FSW 300 M03-01PT	12-12-94	108	4.71	.2	C	1.2	--
FSW 300 M03-02GNT	12-12-94	82	5.26	.4	C	.76	--
FSW 300 M03-03RT	12-12-94	84	5.56	6.1	M	.22	--
FSW 300 M03-04BUT	12-12-94	137	5.68	4.2	M	5.6	--
FSW 300 M03-05BKT	12-12-94	179	5.95	1.4	M	5.6	--
FSW 300 M03-06WT	12-12-94	257	6.14	.1	C	3.6	--
FSW 300 M03-07O	12-12-94	359	6.20	.08	C	.41	--
FSW 300 M03-08GY	12-12-94	348	6.26	.06	C	1.1	--
FSW 300 M03-09Y	12-12-94	318	6.23	.08	C	.34	--
FSW 300 M03-10P	12-12-94	298	6.47	.08	C	.59	--
FSW 300 M03-11GN	12-12-94	232	6.48	.04	C	.34	--
FSW 300 M03-12R	12-12-94	238	6.44	.08	C	.38	--
FSW 300 M03-13BU	12-12-94	235	6.37	.04	C	.33	--
FSW 300 M03-14BK	12-12-94	205	6.50	.03	C	.32	--
FSW 300 M03-15W	12-12-94	228	6.42	.04	C	.41	--
FSW 343 M01-01PT	11-29-94	290	6.80	.05	C	.41	>1
FSW 343 M01-02GNT	11-29-94	238	6.80	0	C	.39	>1
FSW 343 M01-03RT	11-29-94	152	6.58	0	C	.68	>1
FSW 343 M01-04BUT	11-29-94	151	6.93	0	C	.44	>1
FSW 343 M01-05BKT	11-29-94	122	6.12	.8	C	.18	--
FSW 343 M01-06WT	11-29-94	132	5.94	3.8	M	.37	--
FSW 343 M01-07O	11-29-94	146	5.83	6.3	M	.82	--
FSW 343 M01-08GY	11-29-94	156	5.68	6.7	M	.28	--
FSW 343 M01-09Y	11-29-94	74	5.78	6.8	M	.54	--
FSW 343 M01-10P	11-29-94	68	5.67	6.7	M	.41	--
FSW 343 M01-11GN	11-29-94	66	5.79	6.9	M	.40	--
FSW 343 M01-12R	11-29-94	67	5.14	5.8	M	.48	--
FSW 343 M01-13BU	11-29-94	76	5.79	6.0	M	1.2	--
FSW 343 M01-14BK	11-29-94	73	5.69	5.6	M	.71	--
FSW 343 M01-15W	11-29-94	86	5.54	6.0	M	1.2	--

Table 26. Field water-quality analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Specific conductance ($\mu\text{S}/\text{cm}$)	pH (standard units)	Oxygen, dissolved (mg/L)	Dissolved-oxygen method	Turbidity (NTU)	Ferrous iron (mg/L)
FSW 343 M02-01PT	11-29-94	394	5.94	0.2	C	0.39	--
FSW 343 M02-02GNT	11-29-94	453	6.06	.15	C	.35	--
FSW 343 M02-03RT	11-29-94	456	6.14	.1	C	.47	--
FSW 343 M02-04BUT	11-29-94	382	6.19	.08	C	.76	--
FSW 343 M02-05BKT	11-29-94	371	6.25	.08	C	3.8	--
FSW 343 M02-06WT	11-29-94	400	6.36	.08	C	2.4	--
FSW 343 M02-07O	11-29-94	415	6.42	.06	C	1.2	--
FSW 343 M02-08GY	11-29-94	384	6.68	0	C	2.7	>1
FSW 343 M02-09Y	11-29-94	405	6.77	0	C	1.0	>1
FSW 343 M02-10P	11-29-94	390	6.85	0	C	1.3	>1
FSW 343 M02-11GN	11-29-94	373	6.84	0	C	.99	>1
FSW 343 M02-12R	11-29-94	352	6.78	0	C	1.3	>1
FSW 343 M02-13BU	11-29-94	283	6.80	0	C	.72	>1
FSW 343 M02-14BK	11-29-94	271	6.77	0	C	.61	>1
FSW 343 M02-15W	11-29-94	256	6.74	0	C	.49	>1
FSW 343 M03-02GNT 1-19	11-29-94	60	5.59	3.8	M	.24	--
FSW 343 M03-03RT 1-19	11-29-94	91	5.62	6.4	M	.13	--
FSW 343 M03-04BUT 1-19	11-29-94	172	5.66	5.8	M	.27	--
FSW 343 M03-05BKT 1-19	11-30-94	244	5.62	1	C	1.6	--
FSW 343 M03-06WT 1-19	11-30-94	244	5.71	.6	C	2.8	--
FSW 343 M03-07O 1-19	11-30-94	282	5.73	.6	C	1.2	--
FSW 343 M03-08GY 1-19	11-30-94	292	5.89	.2	C	.34	--
FSW 343 M03-09Y 1-19	11-30-94	304	5.99	.2	C	.27	--
FSW 343 M03-10P 1-19	11-30-94	335	6.03	.2	C	.37	--
FSW 343 M03-11GN 1-19	11-30-94	375	6.03	.15	C	.32	--
FSW 343 M03-12R 1-19	11-30-94	421	5.97	.15	C	.39	--
FSW 343 M03-13BU 1-19	11-29-94	451	6.02	.2	C	.25	--
FSW 343 M03-14BK 1-19	11-29-94	473	6.07	.06	C	.26	0
FSW 343 M03-15W 1-19	11-29-94	467	6.04	.2	C	.24	0
FSW 347 M01-01PT	11-30-94	42	5.29	10.7	M	.42	--
FSW 347 M01-02GNT	11-30-94	82	5.47	9.9	M	.35	--
FSW 347 M01-03RT	11-30-94	120	5.65	7.1	M	1.1	--
FSW 347 M01-04BUT	11-30-94	142	5.72	3.3	M	.45	--
FSW 347 M01-05BKT	11-30-94	236	5.97	.06	C	.29	0
FSW 347 M01-06WT	11-30-94	271	6.11	.08	C	.36	0
FSW 347 M01-07O	11-30-94	280	6.09	.06	C	.24	--
FSW 347 M01-08GY	12-01-94	311	5.84	.2	C	.11	--
FSW 347 M01-09Y	12-01-94	340	5.92	.2	C	.13	--
FSW 347 M01-10P	12-01-94	401	5.89	.2	C	.15	--
FSW 347 M01-11GN	12-01-94	397	5.94	.2	C	.16	--
FSW 347 M01-12R	12-01-94	360	6.09	.2	C	.22	--
FSW 347 M01-13BU	12-01-94	367	6.20	.08	C	.23	--
FSW 347 M01-14BK	12-01-94	371	6.14	.08	C	.43	--
FSW 347 M01-15W	12-01-94	340	6.23	.08	C	.55	--

Table 26. Field water-quality analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Specific conductance ($\mu\text{S}/\text{cm}$)	pH (standard units)	Oxygen, dissolved (mg/L)	Dissolved-oxygen method	Turbidity (NTU)	Ferrous iron (mg/L)
FSW 347 M06-01PT	11-30-94	388	6.23	0.15	C	0.42	--
FSW 347 M06-02GNT	11-30-94	212	6.45	.06	C	.19	0
FSW 347 M06-03RT	11-30-94	156	6.46	.2	C	.25	--
FSW 347 M06-04BUT	11-30-94	156	6.52	.15	C	.17	--
FSW 347 M06-05BKT	11-30-94	166	6.47	.01	C	.28	>1
FSW 347 M06-06WT	11-30-94	200	6.30	.1	C	.17	--
FSW 347 M06-07O	11-30-94	218	6.56	0	C	.18	>1
FSW 347 M06-08GY	11-30-94	162	6.63	0	C	.18	>1
FSW 347 M06-09Y	11-30-94	151	6.39	0	C	.28	>1
FSW 347 M06-10P	11-30-94	143	6.11	.06	C	.06	--
FSW 347 M06-11GN	11-30-94	100	5.97	2.4	M	.19	--
FSW 347 M06-12R	11-30-94	92	5.69	4.1	M	.28	--
FSW 347 M06-13BU	11-30-94	89	5.66	4.3	M	.29	--
FSW 347 M06-14BK	11-30-94	64	5.87	6.9	M	.39	--
FSW 350 M01-01PT	12-14-94	61	4.78	3.4	M	.40	--
FSW 350 M01-02GNT	12-14-94	80	4.41	2.2	M	.31	--
FSW 350 M01-03RT	12-14-94	56	5.07	6.8	M	.19	--
FSW 350 M01-04BUT	12-14-94	110	5.14	8.0	M	.50	--
FSW 350 M01-05BKT	12-14-94	80	5.42	6.3	M	.45	--
FSW 350 M01-06WT	12-14-94	95	5.46	.1	C	.79	--
FSW 350 M01-07O	12-14-94	118	5.87	.1	C	.30	--
FSW 350 M01-08GY	12-14-94	138	5.97	.06	C	.95	--
FSW 350 M01-09Y	12-14-94	174	5.88	.06	C	.40	--
FSW 350 M01-10P	12-14-94	198	5.81	.3	C	.23	--
FSW 350 M01-11GN	12-14-94	191	5.92	.2	C	.95	--
FSW 350 M01-12R	12-14-94	174	6.10	.04	C	.84	--
FSW 350 M01-13BU	12-14-94	185	6.03	.09	C	.27	--
FSW 350 M01-14BK	12-14-94	193	6.00	.03	C	.56	--
FSW 350 M01-15W	12-14-94	192	5.96	.07	C	.54	--
FSW 373 M01-01PT	12-13-94	71	5.77	7.2	M	.25	--
FSW 373 M01-02GNT	12-13-94	131	5.53	8.0	M	1.2	--
FSW 373 M01-03RT	12-13-94	145	5.6	7.3	M	1.8	--
FSW 373 M01-04BUT	12-13-94	144	--	8.2	M	1.3	--
FSW 373 M01-05BKT	12-13-94	164	5.59	7.8	M	.86	--
FSW 373 M01-06WT	12-13-94	184	5.57	7.2	M	1.6	--
FSW 373 M01-07O	12-13-94	113	6.26	.2	C	2.0	--
FSW 373 M01-08GY	12-13-94	147	6.45	.2	C	10	--
FSW 373 M01-09Y	12-13-94	194	6.43	.8	C	1.6	--
FSW 373 M01-10P	12-13-94	146	6.60	.2	C	1.4	--
FSW 373 M01-11GN	12-13-94	149	6.35	.4	C	.60	--
FSW 373 M01-12R	12-13-94	156	6.40	.4	C	1.2	--
FSW 373 M01-13BU	12-13-94	148	6.36	.4	C	9.3	--
FSW 373 M01-14BK	12-13-94	167	6.37	.15	C	3.3	--
FSW 373 M01-15W	12-13-94	180	6.37	.1	C	1.9	--

Table 26. Field water-quality analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Specific conductance ($\mu\text{S}/\text{cm}$)	pH (standard units)	Oxygen, dissolved (mg/L)	Dissolved-oxygen method	Turbidity (NTU)	Ferrous iron (mg/L)
FSW 424 M01-01PT	12-01-94	332	7.19	0.08	C	0.57	--
FSW 424 M01-02GNT	12-01-94	345	7.31	.08	C	1.1	--
FSW 424 M01-03RT	12-01-94	319	7.33	.1	C	.56	--
FSW 424 M01-04BUT	12-01-94	335	7.35	.06	C	1.6	--
FSW 424 M01-05BKT	12-01-94	323	7.34	.1	C	.94	--
FSW 424 M01-06WT	12-01-94	279	7.31	.1	C	1.4	--
FSW 424 M01-07O	12-01-94	232	7.26	.08	C	.68	--
FSW 424 M01-08GY	12-01-94	227	7.20	.06	C	1.2	--
FSW 424 M01-09Y	12-01-94	185	7.20	.08	C	.52	--
FSW 424 M01-10P	12-01-94	167	7.14	.06	C	.72	--
FSW 424 M01-11GN	12-01-94	144	7.11	.08	C	.73	--
FSW 424 M01-12R	12-01-94	117	7.06	.04	C	.91	--
FSW 424 M01-13BU	12-01-94	122	6.92	.04	C	.61	--
FSW 424 M01-14BK	12-01-94	122	6.95	.05	C	.72	--
FSW 424 M01-15W	12-01-94	110	7.29	.06	C	.43	--
FSW 424 M02-01PT 72-13	12-02-94	88	5.69	10.0	M	.76	--
FSW 424 M02-02GNT 72-13	12-02-94	75	5.73	.8	C	.19	--
FSW 424 M02-03RT 72-13	12-02-94	58	5.71	4.7	M	.30	--
FSW 424 M02-04BUT 72-13	12-02-94	49	5.73	4.0	C	.71	--
FSW 424 M02-05BKT 72-13	12-02-94	50	6.23	6.0	C	.56	--
FSW 424 M02-06WT 72-13	12-02-94	68	6.09	9.1	M	.42	--
FSW 424 M02-07O 72-13	12-02-94	131	6.08	6.2	M	.83	--
FSW 424 M02-08GY 72-13	12-02-94	209	6.02	2.8	M	.86	--
FSW 424 M02-09Y 72-13	12-02-94	349	6.00	.3	C	.90	--
FSW 424 M02-10P 72-13	12-02-94	416	6.02	.2	C	.33	--
FSW 424 M02-11GN 72-13	12-02-94	431	6.12	.15	C	.36	--
FSW 424 M02-12R 72-13	12-02-94	387	6.44	.1	C	.42	--
FSW 424 M02-13BU 72-13	12-02-94	400	6.43	.15	C	1.2	--
FSW 424 M02-14BK 72-13	12-02-94	398	6.49	.15	C	.87	--
FSW 424 M02-15W 72-13	12-02-94	363	6.51	.1	C	.75	--
FSW 429 M01-01PT	12-01-94	67	5.38	5.6	M	.34	--
FSW 429 M01-02GNT	12-01-94	65	5.34	8.2	M	.93	--
FSW 429 M01-03RT	12-01-94	63	5.59	11.3	M	.99	--
FSW 429 M01-04BUT	12-01-94	110	5.62	10.5	M	1.1	--
FSW 429 M01-05BKT	12-01-94	149	5.24	8.0	M	1.0	--
FSW 429 M01-06WT	12-01-94	158	5.79	1.7	M	7.7	--
FSW 429 M01-07O	12-01-94	146	6.03	.15	C	2.0	--
FSW 429 M01-08GY	12-01-94	116	6.02	.05	C	3.2	0
FSW 429 M01-09Y	12-01-94	115	6.34	.2	C	23	0
FSW 429 M01-10P	12-01-94	116	6.28	.15	C	30	0
FSW 429 M01-11GN	12-01-94	114	6.43	.07	C	15	0
FSW 429 M01-12R	12-01-94	109	6.38	.06	C	9.7	0
FSW 429 M01-13BU	12-01-94	111	6.60	.07	C	4.1	--
FSW 429 M01-14BK	12-01-94	105	6.88	.1	C	25	--

Table 26. Field water-quality analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Specific conductance ($\mu\text{S}/\text{cm}$)	pH (standard units)	Oxygen, dissolved (mg/L)	Dissolved-oxygen method	Turbidity (NTU)	Ferrous iron (mg/L)
FSW 432 M01-03RT	12-08-94	75	6.92	8.1	M	0.81	--
FSW 432 M01-06WT	12-08-94	85	5.98	7.7	M	2.4	--
FSW 432 M01-08GY	12-08-94	122	5.95	7.1	M	1.2	--
FSW 432 M01-09Y	12-08-94	115	5.85	7.4	M	11	--
FSW 432 M01-10P	12-08-94	139	5.76	7.6	M	4.2	--
FSW 432 M01-13BU	12-08-94	95	5.83	7.9	M	1.3	--
FSW 432 M01-15W	12-08-94	73	6.00	7.6	M	3.0	--
FSW 442 M01-01PT	12-15-94	78	4.71	2.3	M	.65	--
FSW 442 M01-02GNT	12-15-94	65	5.20	5.3	M	.58	--
FSW 442 M01-03RT	12-15-94	119	5.52	7.6	M	.73	--
FSW 442 M01-04BUT	12-15-94	102	5.69	7.7	M	.85	--
FSW 442 M01-05BKT	12-15-94	85	5.69	8.2	M	.84	--
FSW 442 M01-06WT	12-15-94	92	5.88	8.5	M	.86	--
FSW 442 M01-07O	12-15-94	91	5.84	8.4	M	.60	--
FSW 442 M01-08GY	12-15-94	104	5.82	2.5	M	1.0	--
FSW 442 M01-09Y	12-15-94	112	6.28	.2	C	.67	--
FSW 442 M01-10P	12-15-94	123	6.42	.2	C	.72	--
FSW 442 M01-11GN	12-15-94	142	6.43	.2	C	1.2	--
FSW 442 M01-12R	12-15-94	133	6.45	.6	C	.89	--
FSW 442 M01-13BU	12-15-94	133	6.47	.2	C	.97	--
FSW 442 M01-14BK	12-15-94	166	6.45	.2	C	1.6	--
FSW 442 M01-15W	12-15-94	210	6.24	.1	C	4.0	--
FSW 453 M02-02GNT	12-09-94	73	5.29	8.5	M	1.0	--
FSW 453 M02-03RT	12-09-94	280	5.85	5.9	M	39	--
FSW 453 M02-04BUT	12-09-94	412	5.90	.2	C	2.5	--
FSW 453 M02-05BKT	12-09-94	441	6.05	.15	C	1.3	--
FSW 453 M02-06WT	12-09-94	449	6.00	.06	C	.91	0
FSW 453 M02-07O	12-09-94	456	6.05	.1	C	.62	--
FSW 453 M02-08GY	12-09-94	457	6.16	.08	C	.41	--
FSW 453 M02-09Y	12-09-94	459	6.09	.1	C	.77	--
FSW 453 M02-10P	12-09-94	454	6.04	.08	C	.52	--
FSW 453 M02-11GN	12-09-94	402	5.47	.1	C	.40	--
FSW 453 M02-12R	12-09-94	448	5.98	.1	C	.37	--
FSW 453 M02-13BU	12-09-94	437	6.21	.4	C	.45	--
FSW 453 M02-14BK	12-09-94	305	5.96	.1	C	1.5	--
FSW 453 M02-15W	12-09-94	418	6.51	0	C	3.8	>1

Table 26. Field water-quality analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Specific conductance ($\mu\text{S}/\text{cm}$)	pH (standard units)	Oxygen, dissolved (mg/L)	Dissolved-oxygen method	Turbidity (NTU)	Ferrous iron (mg/L)
FSW 471 M01-01PT	12-14-94	58	5.22	3.5	M	0.76	--
FSW 471 M01-02GNT	12-14-94	110	5.53	8.7	M	.32	--
FSW 471 M01-03RT	12-14-94	92	5.61	8.5	M	.47	--
FSW 471 M01-04BUT	12-14-94	76	5.76	8.4	M	.73	--
FSW 471 M01-05BKT	12-14-94	91	5.81	8.4	M	1.7	--
FSW 471 M01-06WT	12-14-94	100	5.80	4.4	M	.85	--
FSW 471 M01-07O	12-14-94	108	6.12	.15	C	.49	--
FSW 471 M01-08GY	12-14-94	132	6.26	.4	C	2.1	--
FSW 471 M01-09Y	12-14-94	170	6.10	.2	C	2.2	--
FSW 471 M01-10P	12-14-94	162	6.32	.3	C	.79	--
FSW 471 M01-11GN	12-14-94	166	6.46	.4	C	1.0	--
FSW 471 M01-12R	12-14-94	187	6.39	.15	C	.82	--
FSW 471 M01-13BU	12-14-94	190	6.28	.1	C	2.0	--
FSW 471 M01-14BK	12-14-94	211	6.34	.15	C	.83	--
FSW 471 M01-15W	12-14-94	219	6.15	.2	C	.94	--
FSW 472 M01-01PT	12-14-94	60	5.02	1.7	M	.29	--
FSW 472 M01-02GNT	12-14-94	87	5.33	7.1	M	.47	--
FSW 472 M01-03RT	12-14-94	91	5.58	7.7	M	.41	--
FSW 472 M01-04BUT	12-14-94	76	5.66	8.3	M	.56	--
FSW 472 M01-05BKT	12-14-94	84	5.73	7.7	M	.80	--
FSW 472 M01-06WT	12-14-94	90	5.88	4.9	M	.78	--
FSW 472 M01-07O	12-14-94	109	5.92	.1	C	.85	--
FSW 472 M01-08GY	12-14-94	123	6.29	.2	C	.91	--
FSW 472 M01-09Y	12-14-94	180	6.03	.2	C	.86	--
FSW 472 M01-10P	12-14-94	186	6.02	.1	C	.86	--
FSW 472 M01-11GN	12-14-94	206	6.04	.1	C	2.3	--
FSW 472 M01-12R	12-14-94	191	6.32	.1	C	3.3	--
FSW 472 M01-13BU	12-14-94	198	6.30	.1	C	3.3	--
FSW 472 M01-14BK	12-14-94	195	6.29	.15	C	1.8	--
FSW 472 M01-15W	12-14-94	210	6.25	.15	C	3.2	--
FSW 508 M01-01PT	12-13-94	127	4.86	5.1	M	.35	--
FSW 508 M01-02GNT	12-13-94	93	5.14	9.2	M	.35	--
FSW 508 M01-03RT	12-13-94	98	5.25	9.0	M	2.5	--
FSW 508 M01-04BUT	12-13-94	118	5.34	9.5	M	--	--
FSW 508 M01-05BKT	12-13-94	127	5.30	9.2	M	.65	--
FSW 508 M01-06WT	12-13-94	115	5.79	.2	C	.31	--
FSW 508 M01-07O	12-13-94	151	6.13	.08	C	2.4	--
FSW 508 M01-08GY	12-13-94	206	6.25	.1	C	1.7	--
FSW 508 M01-09Y	12-13-94	207	6.30	.2	C	5.9	--
FSW 508 M01-10P	12-13-94	162	6.21	.3	C	.48	--
FSW 508 M01-11GN	12-14-94	140	6.15	.2	C	.37	--
FSW 508 M01-12R	12-14-94	154	6.06	.15	C	4.6	--
FSW 508 M01-13BU	12-14-94	181	6.01	.07	C	2.8	--
FSW 508 M01-14BK	12-14-94	178	6.00	.08	C	2.1	--
FSW 508 M01-15W	12-14-94	178	6.20	.08	C	3.4	--

Table 26. Field water-quality analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Specific conductance ($\mu\text{S}/\text{cm}$)	pH (standard units)	Oxygen, dissolved (mg/L)	Dissolved-oxygen method	Turbidity (NTU)	Ferrous iron (mg/L)
FSW 510 M01-03RT	12-02-94	69	5.13	8.6	M	1.1	--
FSW 510 M01-04BUT	12-02-94	173	5.60	10.1	M	2.1	--
FSW 510 M01-07O	12-02-94	445	6.01	.2	C	.52	--
FSW 510 M01-08GY	12-02-94	460	6.04	.09	C	1.8	--
FSW 510 M01-09Y	12-02-94	484	6.10	.1	C	1.0	--
FSW 510 M01-10P	12-02-94	487	6.02	.1	C	.96	--
FSW 510 M01-12R	12-02-94	458	6.03	.2	C	.45	--
FSW 510 M01-13BU	12-02-94	462	6.02	.15	C	.42	--
FSW 510 M01-14BK	12-02-94	484	5.99	.1	C	.46	--
FSW 510 M01-15W	12-02-94	436	6.01	.15	C	.32	--
FSW 512 M01-02GNT	12-07-94	81	5.81	10.8	M	2.3	--
FSW 512 M01-03RT	12-07-94	66	5.49	10.5	M	3.1	--
FSW 512 M01-04BUT	12-07-94	66	5.51	9.0	M	3.8	--
FSW 512 M01-05BKT	12-07-94	111	5.48	6.5	M	3.4	--
FSW 512 M01-06WT	12-07-94	252	5.48	1.4	M	5.7	--
FSW 512 M01-07O	12-07-94	343	5.56	.8	C	8.8	--
FSW 512 M01-08GY	12-07-94	305	5.87	.06	C	10	--
FSW 512 M01-09Y	12-07-94	250	6.00	.2	C	3.6	--
FSW 512 M01-10P	12-07-94	204	6.15	.04	C	4.5	--
FSW 512 M01-11GN	12-07-94	175	6.05	.06	C	4.1	--
FSW 512 M01-12R	12-07-94	200	6.01	.08	C	2.2	--
FSW 512 M01-13BU	12-07-94	284	5.69	.06	C	4.1	--
FSW 512 M01-14BK	12-07-94	206	5.61	.06	C	9.1	--
FSW 512 M01-15W	12-07-94	210	5.51	.08	C	.82	--
FSW 564 M01-01PT	12-07-94	128	4.62	.2	C	.45	--
FSW 564 M01-02GNT	12-07-94	80	5.02	8.9	M	.96	--
FSW 564 M01-03RT	12-07-94	90	5.39	5.0	M	12	--
FSW 564 M01-04BUT	12-07-94	115	5.67	3.4	M	5.6	--
FSW 564 M01-05BKT	12-07-94	150	5.96	.03	C	.49	--
FSW 564 M01-06WT	12-07-94	159	5.89	.04	C	.54	--
FSW 564 M01-07O	12-07-94	142	5.94	.04	C	1.6	--
FSW 564 M01-08GY	12-07-94	163	5.82	.06	C	3.5	--
FSW 564 M01-09Y	12-07-94	187	5.83	.06	C	1.4	--
FSW 564 M01-10P	12-07-94	117	4.96	7.6	M	2.9	--
FSW 564 M01-11GN	12-07-94	66	5.13	7.6	M	4.2	--
FSW 564 M01-12R	12-07-94	84	5.16	1.5	M	4.2	--
FSW 564 M01-13BU	12-07-94	110	5.89	.08	C	2.2	--
FSW 564 M01-14BK	12-07-94	70	5.69	9.4	M	3.6	--
FSW 564 M01-15W	12-07-94	64	5.82	8.3	M	4.0	--

Table 26. Field water-quality analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Specific conductance ($\mu\text{S}/\text{cm}$)	pH (standard units)	Oxygen, dissolved (mg/L)	Dissolved-oxygen method	Turbidity (NTU)	Ferrous iron (mg/L)
FSW 566 M01-01PT	12-08-94	335	6.29	0.06	C	3.9	--
FSW 566 M01-02GNT	12-08-94	297	6.54	.15	C	6.0	--
FSW 566 M01-04BUT	12-08-94	247	5.82	.08	C	1.6	--
FSW 566 M01-05BKT	12-08-94	239	5.80	.06	C	4.6	--
FSW 566 M01-06WT	12-08-94	167	5.84	.06	C	2.3	--
FSW 566 M01-07O	12-08-94	157	5.91	.06	C	2.2	--
FSW 566 M01-08GY	12-08-94	150	5.59	.2	C	2.1	--
FSW 566 M01-09Y	12-08-94	132	5.69	.06	C	.57	--
FSW 566 M01-10P	12-08-94	138	5.75	.07	C	2.3	--
FSW 566 M01-11GN	12-08-94	118	5.65	2.9	M	1.9	--
FSW 566 M01-12R	12-08-94	93	5.76	4.5	M	.91	--
FSW 566 M01-13BU	12-08-94	79	5.41	2.6	M	1.2	--
FSW 566 M01-14BK	12-08-94	103	5.49	.08	C	.53	--
FSW 566 M01-15W	12-08-94	118	6.05	.08	C	3.4	--
FSW 566 M02-01PT 65-12	12-08-94	40	5.79	1.8	M	.31	--
FSW 566 M02-02GNT 65-12	12-08-94	56	4.99	2.0	M	.26	--
FSW 566 M02-03RT 65-12	12-09-94	90	6.03	4.5	M	.31	--
FSW 566 M02-04BUT 65-12	12-09-94	166	5.59	5.6	M	1.1	--
FSW 566 M02-05BKT 65-12	12-09-94	306	5.84	.9	C	2.6	--
FSW 566 M02-06WT 65-12	12-09-94	405	5.75	.2	C	1.0	--
FSW 566 M02-07O 65-12	12-09-94	409	5.82	.1	C	.22	--
FSW 566 M02-08GY 65-12	12-09-94	423	5.86	.1	C	.23	--
FSW 566 M02-09Y 65-12	12-09-94	465	6.06	.1	C	.27	--
FSW 566 M02-10P 65-12	12-09-94	467	6.04	.1	C	.21	--
FSW 566 M02-11GN 65-12	12-09-94	448	6.20	.08	C	.3	--
FSW 566 M02-12R 65-12	12-09-94	466	6.14	.2	C	.33	--
FSW 566 M02-13BU 65-12	12-09-94	350	6.21	.15	C	3.6	--
FSW 566 M02-14BK 65-12	12-09-94	339	6.31	.2	C	1.6	--
FSW 566 M02-15W 65-12	12-09-94	341	6.24	.2	C	.85	--
FSW 567 M01-01PT	12-05-95	68	5.30	9.5	M	.30	--
FSW 567 M01-02GNT	12-05-95	62	5.67	9.2	M	.58	--
FSW 567 M01-03RT	12-05-95	124	6.22	7.1	M	.92	--
FSW 567 M01-04BUT	12-05-95	129	6.93	6.7	M	1.4	--
FSW 567 M01-05BKT	12-05-95	168	6.91	5.0	M	11	--
FSW 567 M01-06WT	12-05-95	409	6.91	.08	C	.37	--
FSW 567 M01-07O	12-05-95	422	6.93	.04	C	.45	--
FSW 567 M01-08GY	12-06-94	392	6.83	.3	C	.39	--
FSW 567 M01-09Y	12-06-94	418	6.81	.15	C	.40	--
FSW 567 M01-10P	12-06-94	402	6.22	.15	C	.26	--
FSW 567 M01-11GN	12-06-94	340	6.64	.06	C	.41	--
FSW 567 M01-12R	12-06-94	373	6.38	.07	C	.85	--
FSW 567 M01-13BU	12-06-94	374	6.35	.04	C	.43	--
FSW 567 M01-14BK	12-06-94	377	6.44	.05	C	.49	--
FSW 567 M01-15W	12-06-94	363	6.80	.05	C	.40	--

Table 26. Field water-quality analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Specific conductance ($\mu\text{S}/\text{cm}$)	pH (standard units)	Oxygen, dissolved (mg/L)	Dissolved-oxygen method	Turbidity (NTU)	Ferrous iron (mg/L)
FSW 567 M02-01PT	12-05-94	362	6.49	0.2	C	0.42	--
FSW 567 M02-02GNT	12-05-94	365	6.53	.2	C	--	--
FSW 567 M02-03RT	12-05-94	365	6.50	.1	C	--	--
FSW 567 M02-04BUT	12-05-94	354	6.43	.1	C	.68	--
FSW 567 M02-05BKT	12-05-94	344	6.51	.1	C	.95	--
FSW 567 M02-06WT	12-05-94	294	6.53	.08	C	1.0	0
FSW 567 M02-07O	12-05-94	299	6.40	.04	C	.52	0
FSW 567 M02-08GY	12-05-94	319	6.41	.1	C	.87	--
FSW 567 M02-09Y	12-06-94	209	6.46	.2	C	1.2	--
FSW 567 M02-10P	12-06-94	195	6.32	.2	C	.79	--
FSW 567 M02-11GN	12-06-94	169	6.52	.15	C	.88	--
FSW 567 M02-12R	12-06-94	171	6.59	.2	C	.74	--
FSW 567 M02-13BU	12-06-94	159	6.58	.15	C	.78	0
FSW 567 M02-14BK	12-06-94	140	6.52	.25	C	.94	--
FSW 567 M02-15W	12-06-94	141	6.44	.35	C	.51	--
SDW 317 M01-02GNT	12-06-94	461	7.26	4.4	M	.29	--
SDW 317 M01-03RT	12-06-94	453	7.12	2.5	M	.29	--
SDW 317 M01-04BUT	12-06-94	458	7.10	2.3	M	.51	--
SDW 317 M01-05BKT	12-06-94	487	7.11	5.2	M	.46	--
SDW 317 M01-06WT	12-06-94	486	7.08	3.4	M	.47	--
SDW 317 M01-07O	12-06-94	471	7.07	1.4	M	.44	--
SDW 317 M01-08GY	12-06-94	463	7.06	.06	C	.48	--
SDW 317 M01-09Y	12-06-94	413	7.05	.08	C	.54	--
SDW 317 M01-10P	12-06-94	369	7.04	.08	C	.51	--
SDW 317 M01-11GN	12-06-94	427	7.07	.08	C	.52	--
SDW 317 M01-12R	12-06-94	491	7.06	.06	C	.40	--
SDW 317 M01-13BU	12-06-94	481	7.06	.08	C	.28	--
SDW 317 M01-14BK	12-06-94	486	7.09	.08	C	.24	--
SDW 317 M01-15W	12-06-94	473	7.05	.08	C	.26	--
SDW 317 M02-01PT	12-07-94	506	6.03	.1	C	.47	--
SDW 317 M02-02GNT	12-07-94	511	6.01	.1	C	.53	--
SDW 317 M02-03RT	12-07-94	496	6.04	.1	C	1.4	--
SDW 317 M02-04BUT	12-07-94	486	6.12	.2	C	.47	--
SDW 317 M02-05BKT	12-07-94	464	5.95	.1	C	--	--
SDW 317 M02-06WT	12-07-94	445	5.82	.2	C	.44	--
SDW 317 M02-07O	12-07-94	445	5.83	.15	C	.49	--
SDW 317 M02-08GY	12-07-94	435	5.74	.2	C	.48	--
SDW 317 M02-09Y	12-07-94	432	5.82	.15	C	.45	--
SDW 317 M02-10P	12-07-94	427	5.74	.25	C	.42	--
SDW 317 M02-11GN	12-07-94	422	5.65	.25	C	.41	--
SDW 317 M02-12R	12-07-94	424	5.66	.2	C	.45	--
SDW 317 M02-13BU	12-07-94	404	5.50	.25	C	.44	--
SDW 317 M02-14BK	12-07-94	399	5.51	.2	C	1.0	--
SDW 317 M02-15W	12-07-94	413	5.52	.2	C	.61	--

Table 26. Field water-quality analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Specific conductance ($\mu\text{S}/\text{cm}$)	pH (standard units)	Oxygen, dissolved (mg/L)	Dissolved-oxygen method	Turbidity (NTU)	Ferrous iron (mg/L)
SDW 318 M01-02GNT	12-06-94	392	5.81	8.2	M	4.0	--
SDW 318 M01-03RT	12-06-94	412	5.73	4.9	M	.58	--
SDW 318 M01-04BUT	12-06-94	463	5.65	6.2	M	.51	--
SDW 318 M01-05BKT	12-06-94	480	5.64	3.8	M	.57	--
SDW 318 M01-06WT	12-06-94	468	5.66	5.7	M	.62	--
SDW 318 M01-07O	12-06-94	431	5.75	3.3	M	.67	--
SDW 318 M01-08GY	12-06-94	428	6.00	2.3	M	.78	--
SDW 318 M01-09Y	12-06-94	407	6.10	.25	C	.69	--
SDW 318 M01-10P	12-06-94	417	5.89	.2	C	.68	--
SDW 318 M01-11GN	12-06-94	425	5.80	.4	C	.43	--
SDW 318 M01-12R	12-06-94	453	5.69	.5	C	.57	--
SDW 318 M01-13BU	12-06-94	493	5.69	.5	C	.41	--
SDW 318 M01-14BK	12-06-94	439	6.03	.35	C	.71	--
SDW 318 M01-15W	12-06-94	426	6.01	.6	C	.76	--

Table 27. Organic carbon, inorganic carbon, methylene blue active substances, and ultraviolet/visible absorbance analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994

[Source of data: Larry B. Barber, II, U.S. Geological Survey, Water Resources Division, National Research Program. **Multilevel-sampler port No.:** Locations of multilevel samplers are shown in figure 4. No., number; D, duplicate sample. µg/L, microgram per liter; mg/L, milligram per liter; nm, nanometer; --, no data available]

Multilevel-sampler port No.	Date	Carbon, organic, total (mg/L)	Carbon, inorganic, total (mg/L)	Carbon, organic, dissolved (mg/L)	Carbon, inorganic, dissolved (mg/L)	Methylene blue active substances (µg/L)	Absorbance, unfiltered sample, 254-nm wave-length (x1,000)	Absorbance, filtered sample, 254-nm wave-length (x1,000)	Absorbance, unfiltered sample, 400-nm wave-length (x1,000)	Absorbance, filtered sample, 400-nm wave-length (x1,000)
FSW 168 M15-01PT	12-13-94	0.5	1.8	0.7	0.7	50	7	10	0	0
FSW 168 M15-01PT-D	12-13-94	.6	1.6	.5	.9	60	8	5	0	0
FSW 168 M15-02GNT	12-13-94	.3	3.9	.9	2.9	60	4	5	0	0
FSW 168 M15-03RT	12-13-94	.2	3.4	.4	1.5	60	2	4	0	0
FSW 168 M15-04BUT	12-13-94	.1	3.3	.2	2.9	80	3	3	0	0
FSW 168 M15-05BKT	12-13-94	.1	2.6	.2	1.1	70	2	4	0	0
FSW 168 M15-06WT	12-13-94	.1	1.8	.1	1.3	80	1	2	0	0
FSW 168 M15-07O	12-13-94	1.0	9.6	.7	9.7	90	12	14	0	1
FSW 168 M15-08GY	12-13-94	.5	4.6	.5	4.8	110	15	10	1	0
FSW 168 M15-09Y	12-13-94	.9	8.9	.8	8.9	110	14	21	0	1
FSW 168 M15-10P	12-13-94	.9	9.3	1.0	9.2	140	14	15	1	1
FSW 168 M15-11GN	12-13-94	.8	7.3	.6	7.1	200	13	13	1	0
FSW 168 M15-12R	12-13-94	.9	9.4	.9	9.6	470	14	16	0	0
FSW 168 M15-13BU	12-13-94	.9	9.3	.8	9.1	360	12	15	0	0
FSW 168 M15-14BK	12-13-94	.8	8.6	.7	8.3	260	12	14	0	0
FSW 168 M15-15W	12-13-94	2.2	10.7	.9	14.9	460	15	18	0	1
FSW 239 M01-01PT	11-30-94	0.3	3.9	0.2	3.5	50	4	4	1	0
FSW 239 M01-02GNT	11-30-94	.3	2.8	.3	4.0	80	4	2	0	0
FSW 239 M01-02GNT-D	11-30-94	.3	3.0	.3	2.8	60	5	6	0	0
FSW 239 M01-03RT	11-30-94	.1	1.2	.1	1.6	70	3	2	0	0
FSW 239 M01-04BUT	11-30-94	.1	1.9	.1	2.4	80	3	2	0	0
FSW 239 M01-05BKT	11-30-94	.4	4.5	.4	4.2	130	9	6	2	0
FSW 239 M01-06WT	11-30-94	.9	8.0	1.1	8.7	210	24	21	2	0
FSW 239 M01-07O	11-30-94	1.5	13.0	1.4	14.7	170	34	30	1	2
FSW 239 M01-08GY	11-30-94	1.3	14.4	1.3	15.0	190	28	25	2	2
FSW 239 M01-09Y	11-30-94	1.4	15.4	1.4	14.8	200	29	26	1	1
FSW 239 M01-10P	11-30-94	1.9	15.3	1.9	16.8	180	34	29	2	2
FSW 239 M01-11GN	11-30-94	1.7	14.1	1.6	14.1	160	26	23	2	1
FSW 239 M01-12R	11-30-94	1.2	12.9	1.2	13.2	120	19	18	2	1
FSW 239 M01-13BU	11-30-94	1.5	14.4	1.3	12.3	180	22	22	2	0
FSW 239 M01-14BK	11-30-94	1.1	11.6	1.0	11.1	210	17	17	0	12
FSW 239 M01-15W	11-30-94	.4	6.2	.5	6.1	210	5	5	0	0
FSW 262 M01-02GNT	12-13-94	.3	2.3	.3	2.3	60	4	4	1	1
FSW 262 M01-03RT	12-13-94	.2	1.1	.2	1.2	70	3	3	0	1
FSW 262 M01-04BUT	12-13-94	.1	1.8	.1	1.5	70	2	3	0	0
FSW 262 M01-04BUT-D	12-13-94	.1	1.8	.2	2.0	70	2	2	0	0
FSW 262 M01-05BKT	12-13-94	.1	1.4	.2	1.5	80	3	4	0	0
FSW 262 M01-06WT	12-13-94	.5	2.5	.7	4.5	90	8	7	1	0
FSW 262 M01-07O	12-13-94	.9	9.0	.9	9.1	180	17	17	0	0
FSW 262 M01-08GY	12-13-94	1.1	11.2	1.1	10.9	200	17	17	0	0
FSW 262 M01-09Y	12-13-94	.9	9.1	.8	9.1	170	14	15	1	1
FSW 262 M01-10P	12-13-94	.5	5.7	.5	5.7	170	11	10	3	2
FSW 262 M01-11GN	12-13-94	.4	5.1	.8	6.4	160	10	7	1	0
FSW 262 M01-12R	12-13-94	.8	8.5	.8	8.2	240	9	9	0	0
FSW 262 M01-13BU	12-13-94	1.1	11.8	1.0	11.6	390	11	10	0	0

Table 27. Organic carbon, inorganic carbon, methylene blue active substances, and ultraviolet/visible absorbance analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Carbon, organic, total (mg/L)	Carbon, inorganic, total (mg/L)	Carbon, organic, dissolved (mg/L)	Carbon, inorganic, dissolved (mg/L)	Methylene blue active substances (µg/L)	Absorbance, unfiltered sample, 254-nm wavelength (x1,000)	Absorbance, filtered sample, 254-nm wavelength (x1,000)	Absorbance, unfiltered sample, 400-nm wavelength (x1,000)	Absorbance, filtered sample, 400-nm wavelength (x1,000)
FSW 300 M02-01PT	12-12-94	1.5	13.6	--	--	240	30	--	2	--
FSW 300 M02-02GNT	12-12-94	1.6	14.1	1.6	13.8	120	37	35	4	5
FSW 300 M02-03RT	12-12-94	1.6	13.3	1.4	13.3	160	31	31	4	4
FSW 300 M02-04BUT	12-12-94	1.3	11.1	1.2	10.9	150	27	28	4	2
FSW 300 M02-04BUT-D	12-12-94	1.2	11.2	1.2	11.2	130	27	30	3	3
FSW 300 M02-05BKT	12-12-94	1.0	8.7	1.0	8.4	60	27	25	3	2
FSW 300 M02-06WT	12-12-94	.8	7.9	.8	8.1	90	22	25	4	2
FSW 300 M02-07O	12-12-94	.8	8.1	.7	7.7	90	21	17	2	1
FSW 300 M02-08GY	12-12-94	.8	8.2	.7	8.3	70	24	20	3	1
FSW 300 M02-09Y	12-12-94	.8	8.8	.8	8.6	80	24	27	2	1
FSW 300 M02-10P	12-12-94	.7	7.6	.7	7.8	60	22	17	2	2
FSW 300 M02-11GN	12-12-94	.6	5.0	.6	4.9	50	18	16	1	2
FSW 300 M02-12R	12-12-94	.6	4.1	.4	4.0	70	26	16	3	1
FSW 300 M02-13BU	12-12-94	.4	3.0	.4	3.0	70	15	19	3	1
FSW 300 M02-14BK	12-12-94	.3	2.4	.3	2.3	90	13	9	0	0
FSW 300 M02-15W	12-12-94	.3	2.8	.2	2.6	80	10	13	0	0
FSW 300 M03-01PT	12-12-94	0.5	8.4	0.5	8.5	<20	9	9	1	1
FSW 300 M03-02GNT	12-12-94	.3	5.0	.2	4.5	30	6	4	1	1
FSW 300 M03-03RT	12-12-94	.4	3.6	.3	3.7	60	8	6	1	0
FSW 300 M03-04BUT	12-12-94	.8	6.6	.8	2.5	80	16	20	1	1
FSW 300 M03-05BKT	12-12-94	1.2	8.3	1.1	8.5	130	24	25	1	1
FSW 300 M03-05BKT-D	12-12-94	1.2	7.9	1.2	6.4	120	26	24	1	1
FSW 300 M03-06WT	12-12-94	1.9	11.3	1.8	11.3	170	46	43	3	2
FSW 300 M03-07O	12-12-94	2.2	15.0	2.3	13.6	190	55	56	3	3
FSW 300 M03-08GY	12-12-94	2.0	15.8	1.9	15.8	270	48	44	3	2
FSW 300 M03-09Y	12-12-94	1.8	14.9	1.8	14.0	240	41	38	3	2
FSW 300 M03-10P	12-12-94	1.7	14.7	1.6	14.1	120	38	37	2	2
FSW 300 M03-11GN	12-12-94	1.4	13.2	1.2	12.8	130	32	27	2	2
FSW 300 M03-12R	12-12-94	1.3	13.1	1.4	13.1	110	32	27	2	2
FSW 300 M03-13BU	12-12-94	1.4	13.2	1.4	13.1	110	30	30	2	2
FSW 300 M03-14BK	12-12-94	1.3	12.8	1.2	13.1	70	29	29	2	2
FSW 300 M03-15W	12-12-94	1.4	13.2	1.4	12.6	70	31	30	2	2
FSW 343 M01-01PT	11-29-94	1.9	19.1	1.7	19.2	80	129	97	91	45
FSW 343 M01-02GNT	11-29-94	1.3	17.1	1.3	15.1	40	122	78	77	139
FSW 343 M01-03RT	11-29-94	1.0	12.1	.9	11.9	50	75	49	38	24
FSW 343 M01-04BUT	11-29-94	.7	13.7	.7	13.3	20	71	41	35	33
FSW 343 M01-05BKT	11-29-94	.3	6.1	.3	5.1	20	17	24	0	3
FSW 343 M01-06WT	11-29-94	.3	4.2	.3	3.8	30	14	14	0	1
FSW 343 M01-06WT-D	11-29-94	.2	4.0	.2	3.3	40	15	16	0	0
FSW 343 M01-07O	11-29-94	.2	3.4	.3	2.8	30	14	16	0	1
FSW 343 M01-08GY	11-29-94	.2	2.5	.2	1.9	20	22	14	0	0
FSW 343 M01-09Y	11-29-94	.2	2.0	.1	2.0	40	14	13	1	0
FSW 343 M01-10P	11-29-94	.1	1.8	.2	1.6	40	15	16	7	0
FSW 343 M01-11GN	11-29-94	.1	2.0	.1	1.5	50	15	13	0	0
FSW 343 M01-12R	11-29-94	.1	1.5	.1	1.3	50	13	14	0	0
FSW 343 M01-13BU	11-29-94	.8	1.6	.2	1.8	20	20	15	2	0
FSW 343 M01-14BK	11-29-94	.2	1.7	.1	1.3	20	13	12	1	0
FSW 343 M01-15W	11-29-94	.2	1.8	.1	1.1	20	13	13	0	0

Table 27. Organic carbon, inorganic carbon, methylene blue active substances, and ultraviolet/visible absorbance analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Carbon, organic, total (mg/L)	Carbon, inorganic, total (mg/L)	Carbon, organic, dissolved (mg/L)	Carbon, inorganic, dissolved (mg/L)	Methylene blue active substances (µg/L)	Absorbance, unfiltered sample, 254-nm wavelength (x1,000)	Absorbance, filtered sample, 254-nm wavelength (x1,000)	Absorbance, unfiltered sample, 400-nm wavelength (x1,000)	Absorbance, filtered sample, 400-nm wavelength (x1,000)
FSW 343 M02-01PT	11-29-94	3.1	7.3	3.1	6.6	280	87	81	8	6
FSW 343 M02-02GNT	11-29-94	2.9	8.7	2.9	8.5	340	78	73	7	6
FSW 343 M02-03RT	11-29-94	2.8	8.3	2.8	7.7	290	80	67	6	5
FSW 343 M02-04BUT	11-29-94	3.7	9.6	3.4	9.6	270	87	81	9	7
FSW 343 M02-05BKT	11-29-94	4.5	11.8	4.1	11.2	280	99	92	11	9
FSW 343 M02-06WT	11-29-94	3.5	10.8	3.2	10.5	300	76	69	7	5
FSW 343 M02-07O	11-29-94	2.9	11.7	2.7	11.6	290	57	54	5	3
FSW 343 M02-07O-D	11-29-94	2.9	12.2	2.7	12.1	300	58	55	4	4
FSW 343 M02-08GY	11-29-94	2.5	12.5	2.3	11.8	230	65	61	23	29
FSW 343 M02-09Y	11-29-94	2.8	13.6	2.6	13.5	200	87	76	40	29
FSW 343 M02-10P	11-29-94	2.6	16.7	2.6	20.8	190	81	88	34	33
FSW 343 M02-11GN	11-29-94	3.0	17.6	2.7	17.8	180	189	88	97	35
FSW 343 M02-12R	11-29-94	2.6	16.8	2.5	16.7	200	95	94	44	39
FSW 343 M02-13BU	11-29-94	2.0	16.8	1.8	16.4	170	763	798	233	229
FSW 343 M02-14BK	11-29-94	1.4	14.9	1.3	14.6	80	90	62	121	33
FSW 343 M02-15W	11-29-94	1.0	10.6	.9	10.9	90	44	37	25	19
FSW 343 M03-02GNT 1-19	11-29-94	0.2	4.9	0.2	5.0	20	3	2	0	0
FSW 343 M03-03RT 1-19	11-29-94	.2	4.8	.2	4.6	50	5	5	0	1
FSW 343 M03-04BUT 1-19	11-29-94	.7	6.9	.7	7.1	100	17	15	1	1
FSW 343 M03-05BKT 1-19	11-29-94	1.5	3.5	1.4	3.4	110	29	28	2	1
FSW 343 M03-06WT 1-19	11-29-94	1.9	4.2	1.7	7.0	170	40	38	4	2
FSW 343 M03-07O 1-19	11-29-94	2.5	4.9	2.4	4.5	200	54	52	4	4
FSW 343 M03-08GY 1-19	11-29-94	3.0	5.4	3.0	5.6	240	67	64	5	5
FSW 343 M03-09Y 1-19	11-29-94	3.4	5.8	3.3	5.7	240	78	75	6	6
FSW 343 M03-09Y-D 1-19	11-29-94	3.1	9.4	3.5	5.1	250	77	75	7	6
FSW 343 M03-10P 1-19	11-29-94	3.4	6.1	3.4	5.9	280	84	80	7	7
FSW 343 M03-11GN 1-19	11-29-94	3.2	6.3	2.9	10.2	330	83	78	7	6
FSW 343 M03-12R 1-19	11-29-94	3.1	6.3	3.0	11.6	360	81	76	6	6
FSW 343 M03-13BU 1-19	11-29-94	2.8	13.1	2.9	11.8	360	77	72	7	6
FSW 343 M03-14BK 1-19	11-29-94	2.7	14.8	2.6	13.8	360	72	68	4	5
FSW 343 M03-15W 1-19	11-29-94	2.6	13.1	4.5	8.5	400	71	52	5	4
FSW 347 M01-01PT	11-30-94	.2	.3	.2	.3	50	0	0	0	0
FSW 347 M01-02GNT	11-30-94	.4	1.4	.5	4.7	70	4	2	0	0
FSW 347 M01-03RT	11-30-94	1.1	3.0	1.0	2.9	120	16	14	1	0
FSW 347 M01-04BUT	11-30-94	2.0	3.5	1.9	3.0	160	31	29	2	1
FSW 347 M01-05BKT	11-30-94	2.6	4.4	2.7	4.5	280	56	52	4	4
FSW 347 M01-06WT	11-30-94	2.6	5.2	2.6	4.9	310	55	53	13	4
FSW 347 M01-07O	11-30-94	2.5	6.5	2.4	6.6	290	53	52	4	4
FSW 347 M01-08GY	12-01-94	2.3	11.3	2.2	10.6	300	49	48	3	2
FSW 347 M01-08GY-D	12-01-94	2.3	11.9	2.3	11.1	240	48	46	3	2
FSW 347 M01-09Y	12-01-94	2.3	11.3	2.2	9.5	270	47	46	2	3
FSW 347 M01-10P	12-01-94	2.4	10.0	2.3	9.7	310	52	50	3	2
FSW 347 M01-11GN	12-01-94	2.5	9.8	2.4	8.9	390	55	54	3	3
FSW 347 M01-12R	12-01-94	2.7	12.3	2.6	13.0	350	55	55	3	3
FSW 347 M01-13BU	12-01-94	2.2	10.4	2.2	9.5	310	47	47	2	2
FSW 347 M01-14BK	12-01-94	2.3	10.5	2.3	10.4	350	45	44	3	2
FSW 347 M01-15W	12-01-94	2.0	10.1	2.1	9.1	330	39	38	2	1

Table 27. Organic carbon, inorganic carbon, methylene blue active substances, and ultraviolet/visible absorbance analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Carbon, organic, total (mg/L)	Carbon, inorganic, total (mg/L)	Carbon, organic, dissolved (mg/L)	Carbon, inorganic, dissolved (mg/L)	Methylene blue active substances (µg/L)	Absorbance, unfiltered sample, 254-nm wavelength (x1,000)	Absorbance, filtered sample, 254-nm wavelength (x1,000)	Absorbance, unfiltered sample, 400-nm wavelength (x1,000)	Absorbance, filtered sample, 400-nm wavelength (x1,000)
FSW 347 M06-01PT	11-30-94	2.5	8.2	2.4	7.9	450	53	51	4	4
FSW 347 M06-02GNT	11-30-94	1.1	9.0	1.2	8.8	180	24	22	2	2
FSW 347 M06-03RT	11-30-94	.8	9.0	.9	8.7	90	16	14	2	1
FSW 347 M06-04BUT	11-30-94	.8	9.2	.8	9.3	70	16	14	2	2
FSW 347 M06-05BKT	11-30-94	.9	7.5	.8	7.5	60	267	250	60	45
FSW 347 M06-06WT	11-30-94	1.1	10.0	1.0	9.8	50	68	48	14	12
FSW 347 M06-07O	11-30-94	.8	8.0	.8	7.3	50	53	40	24	18
FSW 347 M06-08GY	11-30-94	.6	4.0	.5	3.7	50	520	621	114	121
FSW 347 M06-09Y	11-30-94	.5	2.6	.5	2.7	60	308	293	50	36
FSW 347 M06-10P	11-30-94	.2	2.0	.3	2.1	40	11	7	1	2
FSW 347 M06-10P-D	11-30-94	.3	2.0	.3	2.0	50	6	6	2	1
FSW 347 M06-11GN	11-30-94	.2	1.0	.2	1.0	50	3	3	1	0
FSW 347 M06-12R	11-30-94	.3	.6	.2	.5	50	10	4	1	0
FSW 347 M06-13BU	11-30-94	.2	1.3	.2	1.1	60	4	5	0	0
FSW 347 M06-14BK	11-30-94	.1	1.1	.1	1.0	60	3	1	0	0
FSW 350 M01-01PT	12-14-94	0.5	1.0	0.4	1.0	70	5	4	0	0
FSW 350 M01-02GNT	12-14-94	.3	1.2	.4	1.1	50	4	4	0	0
FSW 350 M01-03RT	12-14-94	.2	1.4	.1	1.2	50	1	1	0	0
FSW 350 M01-04BUT	12-14-94	.3	3.0	.2	2.7	60	2	1	0	0
FSW 350 M01-05BKT	12-14-94	.2	2.6	.1	2.5	60	3	3	1	0
FSW 350 M01-06WT	12-14-94	.4	3.5	.4	2.9	80	5	5	0	0
FSW 350 M01-07O	12-14-94	.7	4.9	.5	4.8	80	10	11	1	1
FSW 350 M01-08GY	12-14-94	.4	5.4	.4	5.2	130	6	6	1	1
FSW 350 M01-09Y	12-14-94	.8	8.2	.7	8.1	110	13	13	1	0
FSW 350 M01-10P	12-14-94	1.4	10.4	1.2	9.6	320	20	18	0	0
FSW 350 M01-11GN	12-14-94	1.2	10.1	1.1	10.3	670	13	13	0	0
FSW 350 M01-11GN-D	12-14-94	1.2	10.1	1.1	9.6	610	14	15	0	0
FSW 350 M01-12R	12-14-94	.7	8.5	.7	8.6	430	10	10	0	0
FSW 350 M01-13BU	12-14-94	.9	10.0	.8	9.8	280	13	13	0	0
FSW 350 M01-14BK	12-14-94	1.1	10.9	1.0	10.7	630	17	16	0	0
FSW 350 M01-15W	12-14-94	1.4	10.6	1.2	9.7	970	16	16	0	0
FSW 373 M01-01PT	12-13-94	.3	2.2	.4	2.0	40	3	3	3	0
FSW 373 M01-02GNT	12-13-94	.6	6.0	.6	5.1	60	4	5	4	1
FSW 373 M01-03RT	12-13-94	.7	6.8	.8	6.7	110	7	6	0	1
FSW 373 M01-04BUT	12-13-94	.7	5.5	.6	4.4	120	7	6	0	0
FSW 373 M01-05BKT	12-13-94	.8	6.5	.6	3.6	150	10	9	0	0
FSW 373 M01-06WT	12-13-94	.7	4.5	.8	5.6	210	10	10	1	0
FSW 373 M01-07O	12-13-94	1.1	5.3	.9	5.5	150	13	11	0	1
FSW 373 M01-08GY	12-13-94	1.3	7.2	1.1	7.3	160	15	12	2	1
FSW 373 M01-09Y	12-13-94	1.2	7.0	1.1	6.9	200	11	18	1	3
FSW 373 M01-10P	12-13-94	.8	6.1	.8	5.3	180	8	7	0	0
FSW 373 M01-11GN	12-13-94	1.1	8.7	1.2	9.0	280	13	6	1	0
FSW 373 M01-12R	12-13-94	1.2	8.9	1.2	8.8	400	8	7	1	0
FSW 373 M01-12R-D	12-13-94	1.2	8.9	1.2	9.5	390	8	7	2	1
FSW 373 M01-13BU	12-13-94	1.2	8.3	1.0	8.5	330	11	8	1	1
FSW 373 M01-14BK	12-13-94	1.4	9.5	1.0	9.2	430	12	15	1	1
FSW 373 M01-15W	12-13-94	1.0	10.9	.8	11.0	640	15	9	1	1

Table 27. Organic carbon, inorganic carbon, methylene blue active substances, and ultraviolet/visible absorbance analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Carbon, organic, total (mg/L)	Carbon, inorganic, total (mg/L)	Carbon, organic, dissolved (mg/L)	Carbon, inorganic, dissolved (mg/L)	Methylene blue active substances (µg/L)	Absorbance, unfiltered sample, 254-nm wavelength (x1,000)	Absorbance, filtered sample, 254-nm wavelength (x1,000)	Absorbance, unfiltered sample, 400-nm wavelength (x1,000)	Absorbance, filtered sample, 400-nm wavelength (x1,000)
FSW 424 M01-01PT	12-01-94	2.3	18.1	2.1	17.9	160	42	39	3	2
FSW 424 M01-02GNT	12-01-94	2.4	16.8	2.3	16.3	200	48	--	3	--
FSW 424 M01-03RT	12-01-94	2.3	18.0	2.2	18.9	180	44	41	3	2
FSW 424 M01-04BUT	12-01-94	2.4	19.0	2.4	18.7	170	45	45	3	3
FSW 424 M01-05BKT	12-01-94	2.4	17.9	2.4	18.1	150	43	42	3	3
FSW 424 M01-06WT	12-01-94	2.0	18.1	2.0	17.8	150	34	34	2	2
FSW 424 M01-07O	12-01-94	1.6	18.3	1.4	18.2	140	28	27	3	3
FSW 424 M01-08GY	12-01-94	1.5	15.3	1.5	14.6	140	26	--	1	--
FSW 424 M01-09Y	12-01-94	1.1	14.8	1.0	14.9	110	22	21	1	1
FSW 424 M01-10P	12-01-94	.9	12.3	.8	11.7	70	17	17	0	0
FSW 424 M01-11GN	12-01-94	.6	8.1	.5	8.0	60	14	12	0	0
FSW 424 M01-12R	12-01-94	.3	3.1	.3	2.7	80	11	9	0	0
FSW 424 M01-13BU	12-01-94	.3	2.7	.2	2.8	70	10	9	0	0
FSW 424 M01-13BU-D	12-01-94	.2	2.4	.2	2.4	100	9	--	0	--
FSW 424 M01-14BK	12-01-94	.1	2.3	.1	2.0	70	7	5	0	0
FSW 424 M01-15W	12-01-94	.1	2.8	.1	3.0	60	8	5	0	0
FSW 424 M02-01PT 72-13	12-02-94	0.2	3.1	0.2	3.4	50	4	4	0	0
FSW 424 M02-02GNT 72-13	12-02-94	.1	4.1	.1	3.8	50	4	--	0	--
FSW 424 M02-03RT 72-13	12-02-94	.1	2.7	.1	2.5	60	0	0	0	0
FSW 424 M02-04BUT 72-13	12-02-94	.1	1.2	.1	1.2	50	0	0	0	0
FSW 424 M02-05BKT 72-13	12-02-94	.1	.8	.2	.9	40	6	8	0	0
FSW 424 M02-06WT 72-13	12-02-94	.3	1.5	.3	1.1	50	21	22	0	0
FSW 424 M02-07O 72-13	12-02-94	.8	3.3	.8	3.4	80	39	38	0	0
FSW 424 M02-08GY 72-13	12-02-94	1.3	5.2	1.2	4.8	170	52	--	0	--
FSW 424 M02-09Y 72-13	12-02-94	1.8	8.6	1.8	8.5	300	47	46	1	1
FSW 424 M02-10P 72-13	12-02-94	2.0	9.9	2.0	9.3	410	49	48	1	1
FSW 424 M02-11GN 72-13	12-02-94	2.2	12.1	2.1	11.8	410	50	52	3	3
FSW 424 M02-12R 72-13	12-02-94	2.7	15.6	2.5	14.9	350	49	49	2	2
FSW 424 M02-13BU 72-13	12-02-94	2.6	15.3	2.5	15.2	300	52	51	4	4
FSW 424 M02-14BK 72-13	12-02-94	2.3	15.1	2.2	14.9	250	47	46	3	3
FSW 424 M02-14BK-D 72-13	12-02-94	2.3	15.4	2.2	15.0	280	51	46	4	3
FSW 424 M02-15W 72-13	12-02-94	1.9	14.2	1.9	14.0	180	42	38	4	3
FSW 429 M01-01PT	12-01-94	.4	2.6	.3	.9	60	2	1	1	0
FSW 429 M01-02GNT	12-01-94	.3	1.7	.1	1.0	70	1	0	1	0
FSW 429 M01-03RT	12-01-94	.1	1.1	.1	1.0	60	0	0	0	0
FSW 429 M01-04BUT	12-01-94	.2	1.6	.1	1.4	50	4	0	2	0
FSW 429 M01-05BKT	12-01-94	.2	2.6	.1	1.1	70	1	0	0	0
FSW 429 M01-06WT	12-01-94	.2	3.8	.2	4.7	80	16	3	107	0
FSW 429 M01-07O	12-01-94	1.0	8.6	.7	7.5	740	7	3	0	0
FSW 429 M01-08GY	12-01-94	.4	5.3	.4	5.3	340	4	0	2	0
FSW 429 M01-09Y	12-01-94	.2	6.8	.1	6.6	70	27	23	19	0
FSW 429 M01-10P	12-01-94	.1	6.8	.1	6.7	90	1	2	13	0
FSW 429 M01-11GN	12-01-94	.1	6.7	.1	6.3	90	10	0	14	0
FSW 429 M01-12R	12-01-94	.1	6.1	.1	6.1	90	11	0	23	0
FSW 429 M01-13BU	12-01-94	.1	6.4	.1	6.1	70	2	0	2	0
FSW 429 M01-14BK	12-01-94	.1	6.1	.1	5.9	70	29	0	14	0
FSW 429 M01-14BK-D	12-01-94	.2	6.0	.1	6.0	80	94	3	49	0

Table 27. Organic carbon, inorganic carbon, methylene blue active substances, and ultraviolet/visible absorbance analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Carbon, organic, total (mg/L)	Carbon, inorganic, total (mg/L)	Carbon, organic, dissolved (mg/L)	Carbon, inorganic, dissolved (mg/L)	Methylene blue active substances (µg/L)	Absorbance, unfiltered sample, 254-nm wavelength (x1,000)	Absorbance, filtered sample, 254-nm wavelength (x1,000)	Absorbance, unfiltered sample, 400-nm wavelength (x1,000)	Absorbance, filtered sample, 400-nm wavelength (x1,000)
FSW 432 M01-03RT	12-08-94	.2	3.0	.2	3.0	70	6	5	1	1
FSW 432 M01-03RT-D	12-08-94	.2	3.0	.2	2.3	80	4	5	1	1
FSW 432 M01-06WT	12-08-94	.1	4.6	.2	4.7	100	6	6	1	2
FSW 432 M01-08GY	12-08-94	.2	4.0	.2	3.7	90	6	5	1	1
FSW 432 M01-09Y	12-08-94	.1	3.4	.1	3.7	90	5	4	1	1
FSW 432 M01-10P	12-08-94	.1	2.9	.2	2.6	130	6	7	1	1
FSW 432 M01-13BU	12-08-94	.4	2.4	.1	1.8	130	26	5	6	1
FSW 432 M01-15W	12-08-94	.1	2.0	.1	2.0	110	5	5	1	1
FSW 442 M01-01PT	12-15-94	1.3	1.0	0.9	0.9	110	4	3	0	0
FSW 442 M01-02GNT	12-15-94	.7	1.2	.8	1.0	110	3	1	0	0
FSW 442 M01-02GNT-D	12-15-94	1.3	1.2	.5	1.0	130	0	1	0	0
FSW 442 M01-03RT	12-15-94	.6	2.0	1.1	2.1	120	0	0	0	0
FSW 442 M01-04BUT	12-15-94	.9	2.6	.5	2.5	140	0	0	0	0
FSW 442 M01-05BKT	12-15-94	.7	2.4	.7	2.3	100	0	0	0	0
FSW 442 M01-06WT	12-15-94	.5	2.4	.4	2.6	150	0	1	2	0
FSW 442 M01-07O	12-15-94	.4	1.9	.7	1.9	110	0	0	0	0
FSW 442 M01-08GY	12-15-94	.7	1.6	.7	1.7	140	1	1	0	0
FSW 442 M01-09Y	12-15-94	.8	3.3	.7	3.3	160	6	5	1	0
FSW 442 M01-10P	12-15-94	1.1	5.5	1.0	5.7	180	10	8	1	1
FSW 442 M01-11GN	12-15-94	1.0	6.7	1.2	6.8	180	12	9	1	0
FSW 442 M01-12R	12-15-94	1.4	6.2	.8	6.2	150	11	9	0	0
FSW 442 M01-13BU	12-15-94	.7	7.3	.6	7.8	240	16	16	1	1
FSW 442 M01-14BK	12-15-94	1.1	7.5	1.2	7.6	340	13	10	0	0
FSW 442 M01-15W	12-15-94	1.8	14.6	1.3	14.2	1,260	24	23	1	1
FSW 453 M02-02GNT	12-09-94	.2	1.4	.3	.9	140	4	6	1	0
FSW 453 M02-03RT	12-09-94	1.2	5.1	1.2	6.0	280	34	34	2	2
FSW 453 M02-03RT-D	12-09-94	1.2	4.5	1.1	4.9	300	34	31	2	3
FSW 453 M02-04BUT	12-09-94	2.5	10.8	2.3	9.5	460	67	60	7	6
FSW 453 M02-05BKT	12-09-94	3.3	14.6	3.1	13.2	470	84	83	9	8
FSW 453 M02-06WT	12-09-94	2.4	15.2	2.5	15.6	480	60	61	5	5
FSW 453 M02-07O	12-09-94	2.2	14.3	2.1	13.0	410	52	51	4	4
FSW 453 M02-08GY	12-09-94	2.3	13.8	2.3	14.0	410	55	54	5	4
FSW 453 M02-09Y	12-09-94	2.3	13.0	2.4	11.2	370	59	55	5	4
FSW 453 M02-10P	12-09-94	2.2	16.0	2.1	15.9	380	49	52	3	3
FSW 453 M02-11GN	12-09-94	1.6	9.4	1.5	7.6	470	32	34	2	6
FSW 453 M02-12R	12-09-94	2.4	20.1	2.3	11.7	440	50	44	0	3
FSW 453 M02-13BU	12-09-94	2.6	21.2	2.5	18.0	460	49	50	0	4
FSW 453 M02-14BK	12-09-94	1.4	13.1	1.5	12.6	360	53	24	2	7
FSW 453 M02-15W	12-09-94	1.8	19.6	1.7	20.9	310	28	28	13	18

Table 27. Organic carbon, inorganic carbon, methylene blue active substances, and ultraviolet/visible absorbance analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Carbon, organic, total (mg/L)	Carbon, inorganic, total (mg/L)	Carbon, organic, dissolved (mg/L)	Carbon, inorganic, dissolved (mg/L)	Methylene blue active substances (µg/L)	Absorbance, unfiltered sample, 254-nm wavelength (x1,000)	Absorbance, filtered sample, 254-nm wavelength (x1,000)	Absorbance, unfiltered sample, 400-nm wavelength (x1,000)	Absorbance, filtered sample, 400-nm wavelength (x1,000)
FSW 471 M01-01PT	12-14-94	.3	2.6	.3	2.7	90	2	2	0	0
FSW 471 M01-02GNT	12-14-94	.3	4.1	.2	3.4	110	2	2	0	0
FSW 471 M01-03RT	12-14-94	.2	4.4	.2	4.7	150	1	1	1	1
FSW 471 M01-04BUT	12-14-94	.2	3.7	.2	2.9	110	2	2	1	1
FSW 471 M01-04BUT-D	12-14-94	.2	3.0	.2	4.0	100	1	1	1	1
FSW 471 M01-05BKT	12-14-94	.2	2.8	.3	2.6	120	2	2	1	0
FSW 471 M01-06WT	12-14-94	.2	2.1	.2	2.0	110	2	2	1	1
FSW 471 M01-07O	12-14-94	.4	3.4	.4	3.2	170	8	9	1	1
FSW 471 M01-08GY	12-14-94	.8	6.4	.6	6.6	220	11	11	0	0
FSW 471 M01-09Y	12-14-94	1.1	9.3	1.0	8.6	460	15	14	0	0
FSW 471 M01-10P	12-14-94	1.0	8.7	1.0	8.7	290	17	17	0	0
FSW 471 M01-11GN	12-14-94	1.0	8.1	.9	8.7	310	16	16	0	0
FSW 471 M01-12R	12-14-94	1.0	9.6	.9	9.5	330	14	13	0	0
FSW 471 M01-13BU	12-14-94	1.2	10.8	1.1	10.8	630	19	19	0	0
FSW 471 M01-14BK	12-14-94	1.4	11.9	1.2	12.1	680	21	20	1	1
FSW 471 M01-15W	12-14-94	1.9	12.1	1.8	11.8	1,240	20	20	0	0
FSW 472 M01-01PT	12-14-94	0.4	1.2	0.4	0.8	100	5	5	0	0
FSW 472 M01-02GNT	12-14-94	.3	1.0	.3	.8	110	5	5	0	0
FSW 472 M01-03RT	12-14-94	.2	2.3	.2	2.1	80	4	4	0	0
FSW 472 M01-04BUT	12-14-94	.2	1.7	.2	1.6	40	3	4	0	0
FSW 472 M01-05BKT	12-14-94	.1	1.2	.2	1.7	100	4	4	0	0
FSW 472 M01-05BKT-D	12-14-94	.1	1.3	.2	1.1	120	4	4	0	0
FSW 472 M01-06WT	12-14-94	.2	1.2	.2	1.3	110	4	4	0	0
FSW 472 M01-07O	12-14-94	.3	2.0	.3	1.8	150	8	8	1	1
FSW 472 M01-08GY	12-14-94	.7	5.1	.6	5.0	220	15	14	2	1
FSW 472 M01-09Y	12-14-94	1.2	6.9	1.0	7.0	430	21	20	1	1
FSW 472 M01-10P	12-14-94	1.4	7.7	1.2	7.8	600	22	22	1	1
FSW 472 M01-11GN	12-14-94	1.6	9.2	1.4	9.3	880	25	25	1	1
FSW 472 M01-12R	12-14-94	1.2	14.1	1.2	14.1	510	22	21	1	1
FSW 472 M01-13BU	12-14-94	1.3	14.5	1.2	13.8	540	22	22	1	1
FSW 472 M01-14BK	12-14-94	1.3	14.7	1.2	15.2	590	21	21	1	1
FSW 472 M01-15W	12-14-94	1.4	14.7	1.4	14.2	620	26	27	1	1

Table 27. Organic carbon, inorganic carbon, methylene blue active substances, and ultraviolet/visible absorbance analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Carbon, organic, total (mg/L)	Carbon, inorganic, total (mg/L)	Carbon, organic, dissolved (mg/L)	Carbon, inorganic, dissolved (mg/L)	Methylene blue active substances (µg/L)	Absorbance, unfiltered sample, 254-nm wavelength (x1,000)	Absorbance, filtered sample, 254-nm wavelength (x1,000)	Absorbance, unfiltered sample, 400-nm wavelength (x1,000)	Absorbance, filtered sample, 400-nm wavelength (x1,000)
FSW 508 M01-01PT	12-13-94	.3	1.2	.3	5.2	90	5	4	0	0
FSW 508 M01-02GNT	12-13-94	.4	2.4	.4	8.7	140	8	8	1	0
FSW 508 M01-03RT	12-13-94	.2	2.3	.1	6.8	110	4	2	0	0
FSW 508 M01-04BUT	12-13-94	.2	1.9	.2	4.7	100	3	3	3	0
FSW 508 M01-05BKT	12-13-94	.2	1.9	.1	4.3	150	3	3	0	0
FSW 508 M01-06WT	12-13-94	.5	3.2	.4	2.9	160	13	12	1	2
FSW 508 M01-06WT-D	12-13-94	.5	5.3	.4	3.9	160	10	8	0	0
FSW 508 M01-07O	12-13-94	.7	8.9	.6	9.4	170	13	14	0	0
FSW 508 M01-08GY	12-13-94	.9	12.3	.8	11.9	260	16	16	0	0
FSW 508 M01-09Y	12-13-94	.9	11.7	.9	12.5	240	17	16	0	0
FSW 508 M01-10P	12-13-94	.7	8.6	.6	7.8	240	14	14	1	0
FSW 508 M01-11GN	12-13-94	1.0	6.4	.7	6.4	210	7	7	0	0
FSW 508 M01-12R	12-13-94	1.0	7.5	.9	7.6	280	8	7	0	0
FSW 508 M01-13BU	12-13-94	1.0	10.2	1.0	10.1	500	13	14	0	0
FSW 508 M01-14BK	12-13-94	1.0	9.5	1.2	9.2	530	10	10	0	0
FSW 508 M01-15W	12-13-94	1.2	10.2	1.3	10.0	500	16	15	0	0
FSW 510 M01-03RT	12-02-94	.3	1.0	.3	.7	50	3	1	0	0
FSW 510 M01-04BUT	12-02-94	.7	2.5	.7	2.3	110	13	12	0	0
FSW 510 M01-07O	12-02-94	2.5	11.7	2.4	11.3	280	56	55	2	1
FSW 510 M01-07O-D	12-02-94	2.5	17.2	2.4	16.9	290	58	56	4	4
FSW 510 M01-08GY	12-02-94	2.3	12.6	2.3	12.6	340	52	50	1	1
FSW 510 M01-09Y	12-02-94	2.3	12.3	2.3	12.0	420	50	48	0	0
FSW 510 M01-10P	12-02-94	2.5	17.9	2.4	16.6	410	48	--	5	--
FSW 510 M01-12R	12-02-94	2.3	22.2	2.2	20.8	360	47	46	3	2
FSW 510 M01-13BU	12-02-94	2.2	18.9	2.1	17.4	330	48	45	3	2
FSW 510 M01-14BK	12-02-94	2.4	19.3	2.3	18.3	400	48	46	2	2
FSW 510 M01-15W	12-02-94	1.7	5.1	1.8	5.1	370	37	37	2	3
FSW 512 M01-02GNT	12-07-94	0.4	0.3	0.4	0.6	90	1	0	1	1
FSW 512 M01-03RT	12-07-94	.3	.4	.3	.4	40	0	0	1	1
FSW 512 M01-04BUT	12-07-94	.3	.6	.3	.6	50	1	0	1	1
FSW 512 M01-05BKT	12-07-94	.4	1.7	.4	1.7	110	3	3	1	1
FSW 512 M01-06WT	12-07-94	1.0	3.8	.9	3.7	230	18	16	2	1
FSW 512 M01-07O	12-07-94	1.3	4.9	1.2	4.6	320	26	25	2	2
FSW 512 M01-08GY	12-07-94	1.8	5.6	1.8	5.2	240	41	40	3	3
FSW 512 M01-09Y	12-07-94	2.3	4.7	2.2	4.9	240	51	50	4	4
FSW 512 M01-09Y-D	12-07-94	2.3	4.6	2.2	4.4	240	53	49	4	4
FSW 512 M01-10P	12-07-94	2.5	4.2	2.5	4.3	230	60	55	6	5
FSW 512 M01-11GN	12-07-94	2.9	4.4	2.8	4.3	170	66	65	6	5
FSW 512 M01-12R	12-07-94	3.2	5.4	3.0	5.3	240	66	62	6	6
FSW 512 M01-13BU	12-07-94	2.9	4.7	2.8	4.3	280	61	58	5	4
FSW 512 M01-14BK	12-07-94	3.1	3.5	3.0	3.7	300	65	61	5	4
FSW 512 M01-15W	12-07-94	2.8	3.0	2.8	2.7	310	57	57	5	5

Table 27. Organic carbon, inorganic carbon, methylene blue active substances, and ultraviolet/visible absorbance analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Carbon, organic, total (mg/L)	Carbon, inorganic, total (mg/L)	Carbon, organic, dissolved (mg/L)	Carbon, inorganic, dissolved (mg/L)	Methylene blue active substances (µg/L)	Absorbance, unfiltered sample, 254-nm wavelength (x1,000)	Absorbance, filtered sample, 254-nm wavelength (x1,000)	Absorbance, unfiltered sample, 400-nm wavelength (x1,000)	Absorbance, filtered sample, 400-nm wavelength (x1,000)
FSW 564 M01-01PT	12-07-94	.7	3.6	.6	3.2	50	8	6	2	0
FSW 564 M01-02GNT	12-07-94	.4	4.5	.6	3.4	80	4	3	0	0
FSW 564 M01-03RT	12-07-94	.5	3.6	.5	4.0	40	18	6	0	0
FSW 564 M01-04BUT	12-07-94	.5	3.3	.5	2.9	50	24	5	2	0
FSW 564 M01-05BKT	12-07-94	.5	3.6	.4	4.7	80	10	7	2	1
FSW 564 M01-06WT	12-07-94	.5	4.8	.5	4.9	80	10	6	2	1
FSW 564 M01-07O	12-07-94	.5	9.7	.5	10.1	120	12	6	2	1
FSW 564 M01-08GY	12-07-94	.6	12.6	.6	12.0	120	9	7	1	1
FSW 564 M01-08GY-D	12-07-94	.7	12.6	.6	12.4	100	9	7	1	1
FSW 564 M01-09Y	12-07-94	.6	9.1	.5	9.1	100	6	5	1	1
FSW 564 M01-10P	12-07-94	.2	.7	.2	.9	90	1	0	0	0
FSW 564 M01-11GN	12-07-94	.2	.7	.2	.7	90	0	0	0	0
FSW 564 M01-12R	12-07-94	.1	1.0	.2	.7	100	0	0	0	0
FSW 564 M01-13BU	12-07-94	.2	2.7	.2	2.5	100	4	1	1	0
FSW 564 M01-14BK	12-07-94	.1	2.2	.1	2.3	50	0	0	0	0
FSW 564 M01-15W	12-07-94	.1	2.3	.1	2.7	50	2	0	2	0
FSW 566 M01-01PT	12-08-94	2.5	16.0	2.4	15.8	200	56	52	5	5
FSW 566 M01-02GNT	12-08-94	2.5	14.1	2.5	13.5	180	54	51	6	5
FSW 566 M01-04BUT	12-08-94	1.9	13.2	1.9	13.2	150	43	40	5	4
FSW 566 M01-05BKT	12-08-94	1.6	12.6	1.5	12.2	110	35	35	7	3
FSW 566 M01-06WT	12-08-94	1.0	8.9	1.3	7.8	110	37	31	6	3
FSW 566 M01-07O	12-08-94	1.0	8.7	.9	8.6	90	23	23	3	2
FSW 566 M01-08GY	12-08-94	.7	5.7	.7	5.8	70	19	19	2	2
FSW 566 M01-09Y	12-08-94	.5	5.8	.5	5.6	100	14	16	2	2
FSW 566 M01-10P	12-08-94	.4	2.9	.4	2.3	80	--	13	--	1
FSW 566 M01-10P-D	12-08-94	.3	2.6	.4	2.3	90	16	12	1	2
FSW 566 M01-11GN	12-08-94	.3	2.3	.4	2.0	80	27	16	7	2
FSW 566 M01-12R	12-08-94	.2	.6	.2	1.3	90	8	11	1	1
FSW 566 M01-13BU	12-08-94	.2	1.5	.2	1.3	60	8	8	1	1
FSW 566 M01-14BK	12-08-94	.2	2.6	.2	2.7	110	11	9	1	1
FSW 566 M01-15W	12-08-94	.2	3.6	.2	3.6	130	14	11	1	0
FSW 566 M02-01PT 65-12	12-08-94	0.1	0.1	0.2	0.7	40	4	6	0	0
FSW 566 M02-02GNT 65-12	12-08-94	.2	.9	.2	.2	30	8	8	0	0
FSW 566 M02-03RT 65-12	12-09-94	.4	1.8	.4	1.1	50	9	10	0	0
FSW 566 M02-04BUT 65-12	12-09-94	.6	2.3	.6	1.6	170	17	16	0	0
FSW 566 M02-05BKT 65-12	12-09-94	1.3	4.0	1.3	2.8	330	38	38	1	1
FSW 566 M02-06WT 65-12	12-09-94	2.0	5.9	1.9	6.0	380	52	49	2	2
FSW 566 M02-07O 65-12	12-09-94	2.1	8.7	2.2	8.7	450	54	57	3	3
FSW 566 M02-08GY 65-12	12-09-94	2.3	10.8	2.2	9.9	390	55	53	3	3
FSW 566 M02-09Y 65-12	12-09-94	2.2	10.4	2.2	10.6	470	53	54	3	2
FSW 566 M02-10P 65-12	12-09-94	2.2	10.2	2.2	10.0	370	50	52	3	3
FSW 566 M02-11GN 65-12	12-09-94	2.2	11.3	2.2	11.0	400	51	53	3	3
FSW 566 M02-11GN-D 65-12	12-09-94	2.2	10.9	2.2	10.6	440	52	52	3	3
FSW 566 M02-12R 65-12	12-09-94	2.2	12.0	2.2	12.4	330	54	56	3	3
FSW 566 M02-13BU 65-12	12-09-94	2.2	13.5	2.2	13.0	280	45	44	3	3
FSW 566 M02-14BK 65-12	12-09-94	2.1	14.7	2.0	14.9	270	39	37	3	3
FSW 566 M02-15W 65-12	12-09-94	2.3	15.3	2.3	15.4	310	42	40	2	2

Table 27. Organic carbon, inorganic carbon, methylene blue active substances, and ultraviolet/visible absorbance analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Carbon, organic, total (mg/L)	Carbon, inorganic, total (mg/L)	Carbon, organic, dissolved (mg/L)	Carbon, inorganic, dissolved (mg/L)	Methylene blue active substances (µg/L)	Absorbance, unfiltered sample, 254-nm wavelength (x1,000)	Absorbance, filtered sample, 254-nm wavelength (x1,000)	Absorbance, unfiltered sample, 400-nm wavelength (x1,000)	Absorbance, filtered sample, 400-nm wavelength (x1,000)
FSW 567 M01-01PT	12-05-95	.3	1.3	.2	1.3	50	1	1	0	0
FSW 567 M01-02GNT	12-05-95	.3	1.5	.3	1.4	30	3	2	0	0
FSW 567 M01-03RT	12-05-95	.5	3.8	.5	3.7	90	7	7	0	0
FSW 567 M01-04BUT	12-05-95	1.0	5.0	.9	4.7	100	24	23	0	0
FSW 567 M01-05BKT	12-05-95	1.2	6.8	1.1	7.0	120	39	28	1	0
FSW 567 M01-06WT	12-05-95	2.1	13.2	2.0	12.1	340	54	52	2	1
FSW 567 M01-07O	12-05-95	2.5	16.9	2.3	15.0	300	59	58	3	3
FSW 567 M01-08GY	12-06-94	2.6	24.2	2.6	22.3	210	64	61	4	3
FSW 567 M01-09Y	12-06-94	2.5	20.0	2.5	20.0	190	63	62	3	3
FSW 567 M01-10P	12-06-94	2.4	20.9	2.4	19.9	200	56	54	3	2
FSW 567 M01-11GN	12-06-94	2.3	20.2	2.3	20.0	170	49	47	2	2
FSW 567 M01-12R	12-06-94	2.5	28.8	2.5	27.7	170	50	48	2	2
FSW 567 M01-12R-D	12-06-94	2.5	28.5	2.4	28.2	160	50	48	2	2
FSW 567 M01-13BU	12-06-94	2.4	26.0	2.4	24.9	180	48	45	2	1
FSW 567 M01-14BK	12-06-94	2.4	20.9	2.4	20.7	140	44	43	2	1
FSW 567 M01-15W	12-06-94	2.5	19.0	2.4	18.7	140	43	42	1	1
FSW 567 M02-01PT	12-05-94	2.4	19.7	2.4	20.0	110	47	45	3	2
FSW 567 M02-02GNT	12-05-94	2.6	19.8	2.6	20.3	130	51	50	3	3
FSW 567 M02-03RT	12-05-94	2.3	21.7	2.1	21.5	170	48	47	3	2
FSW 567 M02-04BUT	12-05-94	2.2	20.5	2.1	21.3	100	49	47	3	2
FSW 567 M02-05BKT	12-05-94	2.2	21.0	2.1	20.3	150	44	44	2	2
FSW 567 M02-06WT	12-05-94	1.9	18.3	1.8	19.4	140	37	--	5	--
FSW 567 M02-07O	12-05-94	2.1	22.1	2.0	21.6	190	38	38	2	1
FSW 567 M02-08GY	12-05-94	2.4	21.0	2.1	21.4	80	45	37	3	1
FSW 567 M02-08GY-D	12-05-94	--	--	2.1	21.0	--	--	--	--	--
FSW 567 M02-09Y	12-06-94	.8	8.4	.7	8.2	70	22	19	1	0
FSW 567 M02-10P	12-06-94	.7	7.6	.7	7.4	80	25	16	1	0
FSW 567 M02-11GN	12-06-94	.5	4.8	.4	4.8	50	16	15	0	0
FSW 567 M02-12R	12-06-94	.4	4.7	.4	4.7	60	14	--	2	--
FSW 567 M02-13BU	12-06-94	.4	3.2	.3	3.0	60	12	10	0	0
FSW 567 M02-13BU-D	12-06-94	.4	3.1	.3	3.0	40	12	9	0	0
FSW 567 M02-14BK	12-06-94	.5	4.0	.4	3.6	50	15	14	0	0
FSW 567 M02-15W	12-06-94	.5	4.2	.5	4.4	90	12	15	0	0

Table 27. Organic carbon, inorganic carbon, methylene blue active substances, and ultraviolet/visible absorbance analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Carbon, organic, total (mg/L)	Carbon, inorganic, total (mg/L)	Carbon, organic, dissolved (mg/L)	Carbon, inorganic, dissolved (mg/L)	Methylene blue active substances (µg/L)	Absorbance, unfiltered sample, 254-nm wavelength (x1,000)	Absorbance, filtered sample, 254-nm wavelength (x1,000)	Absorbance, unfiltered sample, 400-nm wavelength (x1,000)	Absorbance, filtered sample, 400-nm wavelength (x1,000)
SDW 317 M01-02GNT	12-06-94	2.5	16.5	2.4	16.7	150	67	65	5	4
SDW 317 M01-03RT	12-06-94	2.5	14.9	2.5	14.1	170	72	69	6	5
SDW 317 M01-04BUT	12-06-94	2.8	12.2	2.8	12.4	220	89	83	9	7
SDW 317 M01-05BKT	12-06-94	3.1	7.9	3.1	7.5	240	100	95	10	9
SDW 317 M01-06WT	12-06-94	3.1	6.7	2.9	6.7	290	97	92	10	8
SDW 317 M01-07O	12-06-94	3.1	5.9	3.0	5.2	300	93	88	9	7
SDW 317 M01-08GY	12-06-94	3.3	4.7	3.1	4.7	300	97	91	10	8
SDW 317 M01-09Y	12-06-94	3.5	3.5	3.4	2.9	320	117	111	12	10
SDW 317 M01-10P	12-06-94	3.7	3.6	3.7	3.7	320	123	113	12	10
SDW 317 M01-11GN	12-06-94	3.5	6.7	3.2	6.6	290	111	104	11	9
SDW 317 M01-12R	12-06-94	3.4	8.5	3.1	8.5	340	100	96	10	8
SDW 317 M01-13BU	12-06-94	3.5	7.2	3.1	6.1	330	90	86	7	6
SDW 317 M01-14BK	12-06-94	3.5	11.2	3.4	10.9	390	106	103	9	9
SDW 317 M01-14BK-D	12-06-94	3.6	10.5	3.5	9.6	410	106	103	9	8
SDW 317 M01-15W	12-06-94	3.7	12.0	3.7	12.0	420	117	115	11	10
SDW 317 M02-01PT	12-07-94	3.7	10.3	3.5	10.5	320	116	106	13	12
SDW 317 M02-02GNT	12-07-94	4.3	11.3	4.2	10.0	360	138	120	17	14
SDW 317 M02-03RT	12-07-94	4.6	12.1	4.6	11.3	320	150	139	18	16
SDW 317 M02-04BUT	12-07-94	4.7	11.2	4.6	10.3	290	148	144	17	17
SDW 317 M02-05BKT	12-07-94	4.7	9.0	4.5	8.7	310	148	144	17	16
SDW 317 M02-06WT	12-07-94	4.2	7.3	4.0	6.8	340	127	122	14	13
SDW 317 M02-07O	12-07-94	4.1	6.2	4.0	5.9	350	119	116	13	12
SDW 317 M02-08GY	12-07-94	3.7	5.9	3.7	5.1	390	104	105	12	11
SDW 317 M02-09Y	12-07-94	3.3	5.8	3.4	5.7	380	101	99	11	10
SDW 317 M02-10P	12-07-94	3.1	8.6	3.0	8.7	380	--	--	--	--
SDW 317 M02-11GN	12-07-94	3.0	4.5	2.9	6.1	360	--	--	--	--
SDW 317 M02-12R	12-07-94	3.0	4.2	3.0	3.8	320	73	76	7	7
SDW 317 M02-13BU	12-07-94	2.9	3.4	2.8	3.3	310	69	69	7	6
SDW 317 M02-14BK	12-07-94	2.5	3.1	2.5	2.7	320	57	59	5	5
SDW 317 M02-15W	12-07-94	2.3	3.2	2.3	3.2	300	50	53	5	5
SDW 317 M02-15W-D	12-07-94	2.2	3.0	2.2	2.9	330	49	51	5	5
SDW 318 M01-02GNT	12-06-94	6.7	3.9	4.9	3.4	260	143	86	28	7
SDW 318 M01-03RT	12-06-94	3.3	4.3	3.0	4.3	290	96	92	10	9
SDW 318 M01-04BUT	12-06-94	3.0	4.6	2.9	3.9	320	98	--	12	--
SDW 318 M01-05BKT	12-06-94	3.0	5.3	3.2	4.2	360	99	99	11	11
SDW 318 M01-06WT	12-06-94	3.0	5.5	3.2	3.8	310	99	100	11	11
SDW 318 M01-07O	12-06-94	3.0	7.5	2.9	6.7	250	95	95	12	11
SDW 318 M01-08GY	12-06-94	3.2	11.7	3.1	10.3	180	102	100	13	12
SDW 318 M01-09Y	12-06-94	2.8	18.4	2.7	18.3	130	90	86	11	10
SDW 318 M01-10P	12-06-94	2.9	12.8	2.8	11.9	190	90	--	11	--
SDW 318 M01-10P-D	12-06-94	3.0	12.3	2.7	12.5	210	92	86	10	9
SDW 318 M01-11GN	12-06-94	2.9	8.4	2.7	7.7	220	93	89	10	9
SDW 318 M01-12R	12-06-94	3.0	6.0	3.0	5.4	280	95	90	9	8
SDW 318 M01-13BU	12-06-94	3.4	4.1	3.4	3.6	260	105	103	10	9
SDW 318 M01-14BK	12-06-94	3.5	7.1	3.5	6.8	270	116	110	12	11
SDW 318 M01-15W	12-06-94	3.2	9.4	3.2	8.6	260	96	--	10	--

Table 28. Nitrogen and sulfate analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994

[Source of data: Richard L. Smith, U.S. Geological Survey, Water Resources Division, National Research Program. Multilevel-sampler port No.: Locations of multilevel samplers are shown in figure 4. No., number; MMR STP, Massachusetts Military Reservation sewage-treatment plant; D, duplicate sample. mg/L, milligram per liter; <, actual value is less than method detection limit; --, no data available]

Multilevel-sampler port No.	Date	Nitrite, dissolved (mg/L as N)	Nitrate, dissolved (mg/L as N)	Ammonium, dissolved (mg/L as N)	Sulfate, dissolved (mg/L as S)
FSW 168 M15-01PT	12-13-94	<0.01	0.01	0.18	3.04
FSW 168 M15-01PT-D	12-13-94	<.01	<.01	.15	3.06
FSW 168 M15-02GNT	12-13-94	<.01	1.39	.13	2.51
FSW 168 M15-03RT	12-13-94	<.01	.81	.10	1.35
FSW 168 M15-04BUT	12-13-94	<.01	1.53	.11	1.45
FSW 168 M15-05BKT	12-13-94	<.01	2.83	.11	1.62
FSW 168 M15-06WT	12-13-94	<.01	1.75	.11	1.35
FSW 168 M15-07O	12-13-94	<.01	.29	.11	6.35
FSW 168 M15-08GY	12-13-94	<.01	1.24	4.35	2.33
FSW 168 M15-09Y	12-13-94	<.01	.34	5.79	3.11
FSW 168 M15-10P	12-13-94	<.01	.27	3.24	3.78
FSW 168 M15-11GN	12-13-94	<.01	.42	.15	4.70
FSW 168 M15-12R	12-13-94	<.01	.25	.18	6.57
FSW 168 M15-13BU	12-13-94	<.01	.38	.08	6.80
FSW 168 M15-14BK	12-13-94	<.01	.82	.09	6.48
FSW 168 M15-15W	12-13-94	<.01	.64	.12	7.40
FSW 239 M01-01PT	11-30-94	<.01	.60	.10	2.45
FSW 239 M01-02GNT	11-30-94	<.01	1.96	.08	1.48
FSW 239 M01-02GNT-D	11-30-94	<.01	1.95	.15	1.51
FSW 239 M01-03RT	11-30-94	<.01	.60	.13	1.08
FSW 239 M01-04BUT	11-30-94	<.01	1.37	.13	.82
FSW 239 M01-05BKT	11-30-94	<.01	5.66	.11	2.39
FSW 239 M01-06WT	11-30-94	<.01	9.81	.39	8.09
FSW 239 M01-07O	11-30-94	.10	12.01	1.00	9.51
FSW 239 M01-08GY	11-30-94	<.01	5.15	1.89	8.62
FSW 239 M01-09Y	11-30-94	<.01	.03	1.68	10.35
FSW 239 M01-10P	11-30-94	<.01	.01	1.34	12.57
FSW 239 M01-11GN	11-30-94	<.01	.01	2.54	13.42
FSW 239 M01-12R	11-30-94	<.01	.01	2.54	10.91
FSW 239 M01-13BU	11-30-94	<.01	.34	2.65	10.40
FSW 239 M01-14BK	11-30-94	<.01	<.01	3.02	6.41
FSW 239 M01-15W	11-30-94	<.01	1.68	1.70	4.15
FSW 262 M01-02GNT	12-13-94	<.01	1.88	.13	3.20
FSW 262 M01-03RT	12-13-94	<.01	2.31	.18	2.08
FSW 262 M01-04BUT	12-13-94	<.01	3.84	.23	1.77
FSW 262 M01-04BUT-D	12-13-94	<.01	3.81	.14	1.81
FSW 262 M01-05BKT	12-13-94	<.01	4.48	.10	1.46
FSW 262 M01-06WT	12-13-94	<.01	3.16	3.29	2.03
FSW 262 M01-07O	12-13-94	<.01	2.72	11.80	4.54
FSW 262 M01-08GY	12-13-94	<.01	1.51	9.77	6.79
FSW 262 M01-09Y	12-13-94	<.01	2.78	6.24	5.45
FSW 262 M01-10P	12-13-94	<.01	3.60	2.18	3.91
FSW 262 M01-11GN	12-13-94	<.01	2.94	.27	4.66
FSW 262 M01-12R	12-13-94	<.01	2.16	.07	6.25
FSW 262 M01-13BU	12-13-94	<.01	1.86	.18	5.83

Table 28. Nitrogen and sulfate analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Nitrite, dissolved (mg/L as N)	Nitrate, dissolved (mg/L as N)	Ammonium, dissolved (mg/L as N)	Sulfate, dissolved (mg/L as S)
FSW 300 M02-01PT	12-12-94	<0.01	0.01	5.10	--
FSW 300 M02-02GNT	12-12-94	<.01	.01	5.00	--
FSW 300 M02-03RT	12-12-94	<.01	.01	4.53	--
FSW 300 M02-04BUT	12-12-94	<.01	.01	4.49	--
FSW 300 M02-04BUT-D	12-12-94	<.01	.01	4.31	--
FSW 300 M02-05BKT	12-12-94	<.01	.01	3.41	--
FSW 300 M02-06WT	12-12-94	<.01	.01	<.025	--
FSW 300 M02-07O	12-12-94	<.01	.01	2.60	--
FSW 300 M02-08GY	12-12-94	<.01	.03	3.03	--
FSW 300 M02-09Y	12-12-94	<.01	.01	3.17	--
FSW 300 M02-10P	12-12-94	<.01	.01	2.86	--
FSW 300 M02-11GN	12-12-94	<.01	.39	2.12	--
FSW 300 M02-12R	12-12-94	<.01	1.39	2.09	--
FSW 300 M02-13BU	12-12-94	<.01	2.01	2.17	--
FSW 300 M02-14BK	12-12-94	<.01	2.17	3.02	--
FSW 300 M02-15W	12-12-94	<.01	1.98	1.99	--
FSW 300 M03-01PT	12-12-94	<.01	.01	.06	3.01
FSW 300 M03-02GNT	12-12-94	<.01	.01	.12	2.30
FSW 300 M03-03RT	12-12-94	<.01	1.18	.10	2.43
FSW 300 M03-04BUT	12-12-94	<.01	3.36	.11	4.35
FSW 300 M03-05BKT	12-12-94	<.01	5.08	.05	6.41
FSW 300 M03-05BKT-D	12-12-94	<.01	5.31	--	5.52
FSW 300 M03-06WT	12-12-94	<.01	7.73	.08	6.89
FSW 300 M03-07O	12-12-94	<.01	10.10	.54	7.97
FSW 300 M03-08GY	12-12-94	<.01	9.33	.87	6.14
FSW 300 M03-09Y	12-12-94	<.01	7.11	.63	5.81
FSW 300 M03-10P	12-12-94	<.01	4.97	1.27	6.83
FSW 300 M03-11GN	12-12-94	<.01	1.56	1.95	4.48
FSW 300 M03-12R	12-12-94	<.01	.15	3.32	5.41
FSW 300 M03-13BU	12-12-94	<.01	.01	4.54	6.53
FSW 300 M03-14BK	12-12-94	<.01	.01	4.53	6.94
FSW 300 M03-15W	12-12-94	<.01	.01	4.34	7.80
FSW 343 M01-01PT	11-29-94	.01	<.01	1.07	7.41
FSW 343 M01-02GNT	11-29-94	<.01	<.01	1.42	4.27
FSW 343 M01-03RT	11-29-94	<.01	<.01	.20	3.74
FSW 343 M01-04BUT	11-29-94	<.01	<.01	.35	3.93
FSW 343 M01-05BKT	11-29-94	<.01	.86	.14	1.61
FSW 343 M01-06WT	11-29-94	<.01	.59	.11	4.40
FSW 343 M01-06WT-D	11-29-94	<.01	.59	.11	4.41
FSW 343 M01-07O	11-29-94	<.01	.52	.13	4.39
FSW 343 M01-08GY	11-29-94	<.01	.73	.13	2.43
FSW 343 M01-09Y	11-29-94	<.01	.60	.10	3.04
FSW 343 M01-10P	11-29-94	<.01	.78	.19	3.79
FSW 343 M01-11GN	11-29-94	<.01	.80	.20	3.48
FSW 343 M01-12R	11-29-94	<.01	.76	.13	3.80
FSW 343 M01-13BU	11-29-94	<.01	.70	.11	4.47
FSW 343 M01-14BK	11-29-94	<.01	.67	.12	4.25
FSW 343 M01-15W	11-29-94	<.01	.77	.11	4.81

Table 28. Nitrogen and sulfate analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Nitrite, dissolved (mg/L as N)	Nitrate, dissolved (mg/L as N)	Ammonium, dissolved (mg/L as N)	Sulfate, dissolved (mg/L as S)
FSW 343 M02-01PT	11-29-94	0.01	17.54	0.24	8.42
FSW 343 M02-02GNT	11-29-94	.10	17.95	.12	8.72
FSW 343 M02-03RT	11-29-94	.12	19.90	.25	9.53
FSW 343 M02-04BUT	11-29-94	.04	10.25	.12	8.84
FSW 343 M02-05BKT	11-29-94	<.01	6.19	.93	9.19
FSW 343 M02-06WT	11-29-94	<.01	9.56	.32	9.71
FSW 343 M02-07O	11-29-94	.49	10.26	.13	9.87
FSW 343 M02-07O-D	11-29-94	.50	10.38	.14	9.71
FSW 343 M02-08GY	11-29-94	.01	.03	.69	8.96
FSW 343 M02-09Y	11-29-94	<.01	.01	1.51	9.02
FSW 343 M02-10P	11-29-94	<.01	.01	1.32	8.36
FSW 343 M02-11GN	11-29-94	<.01	.01	1.10	8.26
FSW 343 M02-12R	11-29-94	<.01	.01	.58	8.30
FSW 343 M02-13BU	11-29-94	<.01	.01	.44	5.92
FSW 343 M02-14BK	11-29-94	<.01	.01	1.03	5.75
FSW 343 M02-15W	11-29-94	<.01	.01	.65	3.03
FSW 343 M03-02GNT 1-19	11-29-94	<.01	.07	.20	2.24
FSW 343 M03-03RT 1-19	11-29-94	<.01	1.02	.17	1.84
FSW 343 M03-04BUT 1-19	11-29-94	<.01	3.70	.09	3.74
FSW 343 M03-05BKT 1-19	11-29-94	<.01	6.23	.11	5.35
FSW 343 M03-06WT 1-19	11-29-94	<.01	6.75	.17	6.14
FSW 343 M03-07O 1-19	11-29-94	<.01	7.70	1.09	6.22
FSW 343 M03-08GY 1-19	11-29-94	<.01	8.58	.50	6.62
FSW 343 M03-09Y 1-19	11-29-94	<.01	8.18	.13	6.94
FSW 343 M03-09Y-D 1-19	11-29-94	<.01	7.90	.13	6.97
FSW 343 M03-10P 1-19	11-29-94	<.01	10.79	.13	7.66
FSW 343 M03-11GN 1-19	11-29-94	<.01	16.34	.14	8.24
FSW 343 M03-12R 1-19	11-29-94	.01	13.43	.15	8.97
FSW 343 M03-13BU 1-19	11-29-94	.06	8.08	.14	9.24
FSW 343 M03-14BK 1-19	11-29-94	.05	12.94	.16	9.17
FSW 343 M03-15W 1-19	11-29-94	.05	20.16	.16	8.95
FSW 347 M01-01PT	11-30-94	<.01	.06	.13	2.19
FSW 347 M01-02GNT	11-30-94	<.01	.66	.10	3.28
FSW 347 M01-03RT	11-30-94	<.01	2.60	.10	4.61
FSW 347 M01-04BUT	11-30-94	<.01	4.59	.15	4.57
FSW 347 M01-05BKT	11-30-94	.08	9.46	.20	4.89
FSW 347 M01-06WT	11-30-94	.14	12.82	.13	4.51
FSW 347 M01-07O	11-30-94	.18	12.56	.23	5.09
FSW 347 M01-08GY	12-01-94	.18	14.11	.15	5.50
FSW 347 M01-08GY-D	12-01-94	.18	14.12	.12	5.54
FSW 347 M01-09Y	12-01-94	.15	16.09	.15	5.88
FSW 347 M01-10P	12-01-94	.12	18.94	.26	7.11
FSW 347 M01-11GN	12-01-94	.08	17.06	.13	8.18
FSW 347 M01-12R	12-01-94	.05	11.83	.12	7.35
FSW 347 M01-13BU	12-01-94	.09	12.51	.08	8.20
FSW 347 M01-14BK	12-01-94	.08	12.96	.12	8.35
FSW 347 M01-15W	12-01-94	.16	9.93	.12	7.69

Table 28. Nitrogen and sulfate analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Nitrite, dissolved (mg/L as N)	Nitrate, dissolved (mg/L as N)	Ammonium, dissolved (mg/L as N)	Sulfate, dissolved (mg/L as S)
FSW 347 M06-01PT	11-30-94	0.04	13.45	0.13	9.42
FSW 347 M06-02GNT	11-30-94	.36	2.61	.12	5.36
FSW 347 M06-03RT	11-30-94	<.01	.03	.16	6.68
FSW 347 M06-04BUT	11-30-94	<.01	<.01	.92	5.02
FSW 347 M06-05BKT	11-30-94	<.01	.01	.96	6.34
FSW 347 M06-06WT	11-30-94	<.01	<.01	.98	4.98
FSW 347 M06-07O	11-30-94	<.01	<.01	.55	4.52
FSW 347 M06-08GY	11-30-94	<.01	<.01	.74	6.23
FSW 347 M06-09Y	11-30-94	<.01	.01	.92	2.71
FSW 347 M06-10P	11-30-94	<.01	<.01	.68	2.61
FSW 347 M06-10P-D	11-30-94	<.01	<.01	.85	2.47
FSW 347 M06-11GN	11-30-94	<.01	.70	.14	3.67
FSW 347 M06-12R	11-30-94	<.01	.78	.14	4.16
FSW 347 M06-13BU	11-30-94	<.01	.86	.09	3.66
FSW 347 M06-14BK	11-30-94	<.01	.64	.10	3.44
FSW 350 M01-01PT	12-14-94	<.01	<.01	.05	2.09
FSW 350 M01-02GNT	12-14-94	<.01	.01	.07	1.67
FSW 350 M01-03RT	12-14-94	<.01	.09	.08	1.78
FSW 350 M01-04BUT	12-14-94	<.01	2.24	.09	1.44
FSW 350 M01-05BKT	12-14-94	<.01	.88	.07	1.53
FSW 350 M01-06WT	12-14-94	<.01	.54	.06	4.66
FSW 350 M01-07O	12-14-94	<.01	.78	.47	4.01
FSW 350 M01-08GY	12-14-94	<.01	1.86	.07	4.54
FSW 350 M01-09Y	12-14-94	<.01	1.50	.07	6.87
FSW 350 M01-10P	12-14-94	.01	.39	.09	8.37
FSW 350 M01-11GN	12-14-94	<.01	.66	.13	7.47
FSW 350 M01-11GN-D	12-14-94	<.01	.66	.08	7.39
FSW 350 M01-12R	12-14-94	<.01	1.58	.06	6.15
FSW 350 M01-13BU	12-14-94	<.01	1.16	.14	6.44
FSW 350 M01-14BK	12-14-94	<.01	.71	<.025	6.80
FSW 350 M01-15W	12-14-94	<.01	.86	.07	6.18
FSW 373 M01-01PT	12-13-94	<.01	.08	.19	1.55
FSW 373 M01-02GNT	12-13-94	<.01	1.53	.10	2.61
FSW 373 M01-03RT	12-13-94	<.01	6.44	.10	2.47
FSW 373 M01-04BUT	12-13-94	<.01	6.73	.25	2.18
FSW 373 M01-05BKT	12-13-94	<.01	9.16	.21	1.44
FSW 373 M01-06WT	12-13-94	<.01	11.02	.14	1.25
FSW 373 M01-07O	12-13-94	<.01	1.56	5.76	2.34
FSW 373 M01-08GY	12-13-94	<.01	1.19	7.50	3.50
FSW 373 M01-09Y	12-13-94	.01	2.47	6.23	5.77
FSW 373 M01-10P	12-13-94	<.01	2.26	2.53	4.80
FSW 373 M01-11GN	12-13-94	.01	1.22	.16	5.25
FSW 373 M01-12R	12-13-94	.01	1.13	.09	5.47
FSW 373 M01-12R-D	12-13-94	.01	1.14	.10	5.48
FSW 373 M01-13BU	12-13-94	.01	1.26	.11	5.28
FSW 373 M01-14BK	12-13-94	<.01	1.38	.15	6.58
FSW 373 M01-15W	12-13-94	<.01	1.23	.12	7.27

Table 28. Nitrogen and sulfate analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Nitrite, dissolved (mg/L as N)	Nitrate, dissolved (mg/L as N)	Ammonium, dissolved (mg/L as N)	Sulfate, dissolved (mg/L as S)
FSW 424 M01-01PT	12-01-94	<.01	0.01	3.95	15.49
FSW 424 M01-02GNT	12-01-94	<.01	.01	4.11	17.33
FSW 424 M01-03RT	12-01-94	<.01	.01	4.65	12.25
FSW 424 M01-04BUT	12-01-94	<.01	.01	4.62	12.77
FSW 424 M01-05BKT	12-01-94	<.01	.01	3.45	11.12
FSW 424 M01-06WT	12-01-94	<.01	.01	2.93	8.07
FSW 424 M01-07O	12-01-94	<.01	.01	2.78	5.45
FSW 424 M01-08GY	12-01-94	<.01	.01	2.04	5.68
FSW 424 M01-09Y	12-01-94	<.01	.28	1.30	4.55
FSW 424 M01-10P	12-01-94	<.01	.35	.74	3.71
FSW 424 M01-11GN	12-01-94	<.01	1.22	.49	4.24
FSW 424 M01-12R	12-01-94	<.01	2.14	.35	4.62
FSW 424 M01-13BU	12-01-94	<.01	2.17	.47	4.71
FSW 424 M01-13BU-D	12-01-94	<.01	2.17	.43	4.69
FSW 424 M01-14BK	12-01-94	<.01	2.29	1.03	4.08
FSW 424 M01-15W	12-01-94	<.01	2.61	3.46	3.72
FSW 424 M02-01PT 72-13	12-02-94	<.01	.01	.14	2.88
FSW 424 M02-02GNT 72-13	12-02-94	<.01	.08	.10	2.27
FSW 424 M02-03RT 72-13	12-02-94	<.01	.05	.12	2.72
FSW 424 M02-04BUT 72-13	12-02-94	<.01	.03	.12	2.55
FSW 424 M02-05BKT 72-13	12-02-94	<.01	.13	.12	2.22
FSW 424 M02-06WT 72-13	12-02-94	<.01	.63	.12	2.66
FSW 424 M02-07O 72-13	12-02-94	<.01	2.38	.12	4.07
FSW 424 M02-08GY 72-13	12-02-94	<.01	5.05	.12	6.47
FSW 424 M02-09Y 72-13	12-02-94	.01	11.71	.12	10.50
FSW 424 M02-10P 72-13	12-02-94	.01	16.32	.13	10.55
FSW 424 M02-11GN 72-13	12-02-94	.17	15.24	.17	10.93
FSW 424 M02-12R 72-13	12-02-94	.50	6.27	.15	11.58
FSW 424 M02-13BU 72-13	12-02-94	.01	7.21	.88	11.34
FSW 424 M02-14BK 72-13	12-02-94	<.01	7.37	1.58	10.36
FSW 424 M02-14BK-D 72-13	12-02-94	<.01	7.48	1.60	10.43
FSW 424 M02-15W 72-13	12-02-94	<.01	3.13	2.20	9.99
FSW 429 M01-01PT	12-01-94	<.01	.45	.23	1.44
FSW 429 M01-02GNT	12-01-94	<.01	.08	.16	1.36
FSW 429 M01-03RT	12-01-94	<.01	.08	.11	1.76
FSW 429 M01-04BUT	12-01-94	<.01	.21	.17	1.81
FSW 429 M01-05BKT	12-01-94	<.01	1.54	.14	3.13
FSW 429 M01-06WT	12-01-94	<.01	2.78	.14	4.10
FSW 429 M01-07O	12-01-94	<.01	2.39	.14	2.42
FSW 429 M01-08GY	12-01-94	.01	2.02	.39	2.60
FSW 429 M01-09Y	12-01-94	<.01	1.15	.15	2.94
FSW 429 M01-10P	12-01-94	<.01	1.06	.22	2.92
FSW 429 M01-11GN	12-01-94	<.01	.81	.15	2.94
FSW 429 M01-12R	12-01-94	<.01	.58	.12	2.93
FSW 429 M01-13BU	12-01-94	<.01	.52	.12	2.95
FSW 429 M01-14BK	12-01-94	<.01	.26	.16	2.98
FSW 429 M01-14BK-D	12-01-94	<.01	.25	.17	2.99

Table 28. Nitrogen and sulfate analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Nitrite, dissolved (mg/L as N)	Nitrate, dissolved (mg/L as N)	Ammonium, dissolved (mg/L as N)	Sulfate, dissolved (mg/L as S)
FSW 432 M01-03RT	12-08-94	<0.01	0.09	0.12	2.11
FSW 432 M01-03RT-D	12-08-94	<.01	.09	.13	2.11
FSW 432 M01-06WT	12-08-94	<.01	.37	.16	3.13
FSW 432 M01-08GY	12-08-94	<.01	.52	.13	6.37
FSW 432 M01-09Y	12-08-94	<.01	.51	.11	3.98
FSW 432 M01-10P	12-08-94	<.01	.49	.10	3.43
FSW 432 M01-13BU	12-08-94	--	--	.11	--
FSW 432 M01-15W	12-08-94	<.01	.54	.10	4.07
FSW 442 M01-01PT	12-15-94	<.01	.02	.10	2.66
FSW 442 M01-02GNT	12-15-94	<.01	.02	.12	2.43
FSW 442 M01-02GNT-D	12-15-94	<.01	.02	.09	2.43
FSW 442 M01-03RT	12-15-94	<.01	2.05	.10	1.89
FSW 442 M01-04BUT	12-15-94	<.01	.84	.09	1.16
FSW 442 M01-05BKT	12-15-94	<.01	.56	.11	1.49
FSW 442 M01-06WT	12-15-94	<.01	1.02	.09	1.76
FSW 442 M01-07O	12-15-94	<.01	.75	.06	1.33
FSW 442 M01-08GY	12-15-94	<.01	1.91	.08	1.45
FSW 442 M01-09Y	12-15-94	<.01	1.35	2.83	2.69
FSW 442 M01-10P	12-15-94	<.01	.52	.67	4.14
FSW 442 M01-11GN	12-15-94	<.01	.20	.10	5.64
FSW 442 M01-12R	12-15-94	<.01	.32	.86	4.46
FSW 442 M01-13BU	12-15-94	<.01	.36	.32	4.53
FSW 442 M01-14BK	12-15-94	<.01	.61	.09	6.21
FSW 442 M01-15W	12-15-94	<.01	.56	.09	7.21
FSW 453 M02-02GNT	12-09-94	<.01	.43	.11	1.71
FSW 453 M02-03RT	12-09-94	<.01	11.08	.11	5.32
FSW 453 M02-03RT-D	12-09-94	<.01	11.06	.11	5.29
FSW 453 M02-04BUT	12-09-94	<.01	16.41	.12	7.85
FSW 453 M02-05BKT	12-09-94	.01	14.77	.14	8.11
FSW 453 M02-06WT	12-09-94	.05	14.67	.13	8.45
FSW 453 M02-07O	12-09-94	.20	15.00	.14	8.61
FSW 453 M02-08GY	12-09-94	.08	14.47	.14	8.90
FSW 453 M02-09Y	12-09-94	.11	15.87	.15	8.98
FSW 453 M02-10P	12-09-94	.52	13.37	.15	8.54
FSW 453 M02-11GN	12-09-94	.01	13.94	.61	8.52
FSW 453 M02-12R	12-09-94	.05	15.20	.12	7.54
FSW 453 M02-13BU	12-09-94	.28	11.14	.14	6.81
FSW 453 M02-14BK	12-09-94	.02	2.82	.24	6.79
FSW 453 M02-15W	12-09-94	.01	.05	1.02	7.66

Table 28. Nitrogen and sulfate analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Nitrite, dissolved (mg/L as N)	Nitrate, dissolved (mg/L as N)	Ammonium, dissolved (mg/L as N)	Sulfate, dissolved (mg/L as S)
FSW 471 M01-01PT	12-14-94	<0.01	0.02	0.11	2.23
FSW 471 M01-02GNT	12-14-94	<.01	1.30	.10	2.51
FSW 471 M01-03RT	12-14-94	<.01	1.04	.08	1.23
FSW 471 M01-04BUT	12-14-94	<.01	.62	.08	1.58
FSW 471 M01-04BUT-D	12-14-94	<.01	.62	.10	1.60
FSW 471 M01-05BKT	12-14-94	<.01	1.25	.08	1.51
FSW 471 M01-06WT	12-14-94	<.01	1.97	.09	1.42
FSW 471 M01-07O	12-14-94	<.01	1.83	1.87	2.31
FSW 471 M01-08GY	12-14-94	<.01	.48	.50	4.54
FSW 471 M01-09Y	12-14-94	<.01	.36	.12	8.35
FSW 471 M01-10P	12-14-94	<.01	.26	.12	6.33
FSW 471 M01-11GN	12-14-94	<.01	.17	.09	6.11
FSW 471 M01-12R	12-14-94	<.01	.34	.11	6.60
FSW 471 M01-13BU	12-14-94	<.01	.48	.09	6.65
FSW 471 M01-14BK	12-14-94	<.01	.41	.12	7.37
FSW 471 M01-15W	12-14-94	<.01	1.01	.09	6.65
FSW 472 M01-01PT	12-14-94	.01	.01	.10	1.72
FSW 472 M01-02GNT	12-14-94	<.01	.47	.08	2.14
FSW 472 M01-03RT	12-14-94	<.01	.96	.09	1.53
FSW 472 M01-04BUT	12-14-94	<.01	.52	.10	1.46
FSW 472 M01-05BKT	12-14-94	<.01	1.49	.11	1.60
FSW 472 M01-05BKT-D	12-14-94	<.01	1.58	.11	1.55
FSW 472 M01-06WT	12-14-94	<.01	1.90	.08	1.61
FSW 472 M01-07O	12-14-94	<.01	2.65	1.20	1.95
FSW 472 M01-08GY	12-14-94	<.01	.61	.34	4.95
FSW 472 M01-09Y	12-14-94	<.01	.91	.08	9.70
FSW 472 M01-10P	12-14-94	<.01	.87	.08	9.30
FSW 472 M01-11GN	12-14-94	<.01	.86	.08	9.38
FSW 472 M01-12R	12-14-94	<.01	.74	.08	8.46
FSW 472 M01-13BU	12-14-94	<.01	.73	.08	8.48
FSW 472 M01-14BK	12-14-94	<.01	.47	.09	8.00
FSW 472 M01-15W	12-14-94	<.01	.54	.11	8.29
FSW 508 M01-01PT	12-13-94	<.01	.23	.12	2.80
FSW 508 M01-02GNT	12-13-94	<.01	1.34	.12	3.71
FSW 508 M01-03RT	12-13-94	<.01	2.84	.12	1.37
FSW 508 M01-04BUT	12-13-94	<.01	2.86	.10	1.48
FSW 508 M01-05BKT	12-13-94	<.01	3.44	.09	1.58
FSW 508 M01-06WT	12-13-94	<.01	3.02	3.39	2.31
FSW 508 M01-06WT-D	12-13-94	<.01	3.07	3.40	2.31
FSW 508 M01-07O	12-13-94	<.01	2.06	6.26	2.95
FSW 508 M01-08GY	12-13-94	<.01	2.41	8.04	4.27
FSW 508 M01-09Y	12-13-94	<.01	2.25	7.00	4.38
FSW 508 M01-10P	12-13-94	<.01	1.91	3.64	4.23
FSW 508 M01-11GN	12-14-94	<.01	2.13	.16	5.65
FSW 508 M01-12R	12-14-94	<.01	1.77	.16	6.24
FSW 508 M01-13BU	12-14-94	.01	1.74	.11	7.79
FSW 508 M01-14BK	12-14-94	<.01	1.58	.11	7.22
FSW 508 M01-15W	12-14-94	<.01	1.28	.10	6.66

Table 28. Nitrogen and sulfate analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Nitrite, dissolved (mg/L as N)	Nitrate, dissolved (mg/L as N)	Ammonium, dissolved (mg/L as N)	Sulfate, dissolved (mg/L as S)
FSW 510 M01-03RT	12-02-94	<0.01	0.76	0.13	2.31
FSW 510 M01-04BUT	12-02-94	<.01	3.80	.16	3.38
FSW 510 M01-07O	12-02-94	.16	18.34	.19	7.12
FSW 510 M01-07O-D	12-02-94	.16	18.27	.18	7.39
FSW 510 M01-08GY	12-02-94	.25	17.93	.17	8.24
FSW 510 M01-09Y	12-02-94	.29	18.60	.17	9.09
FSW 510 M01-10P	12-02-94	.45	18.89	.19	8.89
FSW 510 M01-12R	12-02-94	.48	13.69	.16	8.34
FSW 510 M01-13BU	12-02-94	.40	14.46	.18	8.69
FSW 510 M01-14BK	12-02-94	.29	15.51	.18	9.32
FSW 510 M01-15W	12-02-94	.29	18.17	1.16	10.27
FSW 512 M01-02GNT	12-07-94	<.01	.01	.11	2.61
FSW 512 M01-03RT	12-07-94	<.01	.05	.08	2.04
FSW 512 M01-04BUT	12-07-94	<.01	.69	.11	1.61
FSW 512 M01-05BKT	12-07-94	.01	3.78	.09	1.20
FSW 512 M01-06WT	12-07-94	<.01	9.60	.14	4.09
FSW 512 M01-07O	12-07-94	<.01	15.84	.11	5.34
FSW 512 M01-08GY	12-07-94	.03	12.34	.14	6.76
FSW 512 M01-09Y	12-07-94	.16	7.24	.12	7.33
FSW 512 M01-09Y-D	12-07-94	.16	6.87	.19	6.79
FSW 512 M01-10P	12-07-94	.14	5.14	.14	6.98
FSW 512 M01-11GN	12-07-94	.10	1.06	.12	8.07
FSW 512 M01-12R	12-07-94	.08	1.38	.17	10.53
FSW 512 M01-13BU	12-07-94	.07	5.51	.14	13.67
FSW 512 M01-14BK	12-07-94	.06	1.78	.12	11.70
FSW 512 M01-15W	12-07-94	.15	2.38	.15	10.70
FSW 564 M01-01PT	12-07-94	<.01	<.01	.12	1.99
FSW 564 M01-02GNT	12-07-94	<.01	.03	.10	2.12
FSW 564 M01-03RT	12-07-94	<.01	.20	.15	2.14
FSW 564 M01-04BUT	12-07-94	<.01	.27	.11	1.89
FSW 564 M01-05BKT	12-07-94	<.01	.83	2.03	1.62
FSW 564 M01-06WT	12-07-94	<.01	.71	2.64	1.18
FSW 564 M01-07O	12-07-94	<.01	.73	4.88	2.53
FSW 564 M01-08GY	12-07-94	<.01	<.01	2.93	5.21
FSW 564 M01-08GY-D	12-07-94	<.01	<.01	3.01	5.18
FSW 564 M01-09Y	12-07-94	<.01	<.01	4.87	5.06
FSW 564 M01-10P	12-07-94	<.01	.54	.17	4.76
FSW 564 M01-11GN	12-07-94	<.01	.53	.14	3.50
FSW 564 M01-12R	12-07-94	<.01	2.10	.14	3.22
FSW 564 M01-13BU	12-07-94	<.01	2.90	5.24	4.95
FSW 564 M01-14BK	12-07-94	<.01	.82	.23	2.37
FSW 564 M01-15W	12-07-94	<.01	.63	.15	1.68

Table 28. Nitrogen and sulfate analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Nitrite, dissolved (mg/L as N)	Nitrate, dissolved (mg/L as N)	Ammonium, dissolved (mg/L as N)	Sulfate, dissolved (mg/L as S)
FSW 566 M01-01PT	12-08-94	<0.01	<0.01	2.54	11.38
FSW 566 M01-02GNT	12-08-94	<.01	<.01	3.20	11.29
FSW 566 M01-04BUT	12-08-94	<.01	<.01	2.12	7.80
FSW 566 M01-05BKT	12-08-94	<.01	<.01	2.46	6.61
FSW 566 M01-06WT	12-08-94	<.01	<.01	1.86	3.62
FSW 566 M01-07O	12-08-94	<.01	<.01	1.23	3.53
FSW 566 M01-08GY	12-08-94	<.01	<.01	.72	3.42
FSW 566 M01-09Y	12-08-94	<.01	2.45	.27	2.74
FSW 566 M01-10P	12-08-94	<.01	3.44	.14	3.05
FSW 566 M01-10P-D	12-08-94	<.01	3.47	.12	3.08
FSW 566 M01-11GN	12-08-94	<.01	1.11	.28	3.63
FSW 566 M01-12R	12-08-94	<.01	1.08	.18	3.33
FSW 566 M01-13BU	12-08-94	<.01	1.91	.21	3.66
FSW 566 M01-14BK	12-08-94	<.01	3.00	3.17	3.85
FSW 566 M01-15W	12-08-94	<.01	2.96	3.87	5.10
FSW 566 M02-01PT 65-12	12-08-94	<.01	.01	.11	--
FSW 566 M02-02GNT 65-12	12-08-94	<.01	.03	.11	1.79
FSW 566 M02-03RT 65-12	12-09-94	<.01	.91	.11	3.38
FSW 566 M02-04BUT 65-12	12-09-94	<.01	5.64	.12	4.92
FSW 566 M02-05BKT 65-12	12-09-94	<.01	15.13	.15	6.32
FSW 566 M02-06WT 65-12	12-09-94	.09	22.00	.17	7.17
FSW 566 M02-07O 65-12	12-09-94	.25	22.88	.17	8.18
FSW 566 M02-08GY 65-12	12-09-94	.47	20.59	.14	8.43
FSW 566 M02-09Y 65-12	12-09-94	.57	21.47	.16	8.89
FSW 566 M02-10P 65-12	12-09-94	.67	21.28	.14	9.10
FSW 566 M02-11GN 65-12	12-09-94	.75	23.18	.14	8.90
FSW 566 M02-11GN-D 65-12	12-09-94	.75	22.93	.15	9.04
FSW 566 M02-12R 65-12	12-09-94	.87	21.09	.30	8.89
FSW 566 M02-13BU 65-12	12-09-94	.39	6.73	.16	9.63
FSW 566 M02-14BK 65-12	12-09-94	<.01	.29	1.00	10.66
FSW 566 M02-15W 65-12	12-09-94	<.01	.01	2.09	11.32
FSW 567 M01-01PT	12-05-95	<.01	<.01	.10	2.02
FSW 567 M01-02GNT	12-05-95	<.01	.05	.12	1.74
FSW 567 M01-03RT	12-05-95	<.01	3.57	.07	1.35
FSW 567 M01-04BUT	12-05-95	<.01	2.85	.17	2.27
FSW 567 M01-05BKT	12-05-95	<.01	4.14	.16	3.20
FSW 567 M01-06WT	12-05-95	.02	17.58	.19	8.87
FSW 567 M01-07O	12-05-95	.12	14.10	.24	11.20
FSW 567 M01-08GY	12-06-94	.16	7.57	.24	6.84
FSW 567 M01-09Y	12-06-94	.17	8.42	.21	11.28
FSW 567 M01-10P	12-06-94	.35	5.63	.21	10.52
FSW 567 M01-11GN	12-06-94	.48	2.08	.20	9.64
FSW 567 M01-12R	12-06-94	<.01	.04	3.29	3.66
FSW 567 M01-12R-D	12-06-94	<.01	<.01	3.24	3.65
FSW 567 M01-13BU	12-06-94	<.01	<.01	5.35	4.90
FSW 567 M01-14BK	12-06-94	<.01	<.01	6.72	9.56
FSW 567 M01-15W	12-06-94	<.01	<.01	6.41	9.00

Table 28. Nitrogen and sulfate analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Nitrite, dissolved (mg/L as N)	Nitrate, dissolved (mg/L as N)	Ammonium, dissolved (mg/L as N)	Sulfate, dissolved (mg/L as S)
FSW 567 M02-01PT	12-05-94	<0.01	0.01	5.43	8.96
FSW 567 M02-02GNT	12-05-94	<.01	.01	5.41	3.50
FSW 567 M02-03RT	12-05-94	<.01	.01	5.75	3.19
FSW 567 M02-04BUT	12-05-94	<.01	.01	6.25	7.27
FSW 567 M02-05BKT	12-05-94	<.01	.01	7.11	7.88
FSW 567 M02-06WT	12-05-94	<.01	.01	6.71	4.12
FSW 567 M02-07O	12-05-94	<.01	.01	6.08	2.90
FSW 567 M02-08GY	12-05-94	<.01	.01	4.25	3.10
FSW 567 M02-09Y	12-06-94	<.01	.01	3.15	3.35
FSW 567 M02-10P	12-06-94	<.01	.01	3.26	3.42
FSW 567 M02-11GN	12-06-94	<.01	.01	4.62	3.30
FSW 567 M02-12R	12-06-94	<.01	.01	7.78	3.17
FSW 567 M02-13BU	12-06-94	<.01	.01	6.92	2.40
FSW 567 M02-13BU-D	12-06-94	<.01	.01	6.87	2.32
FSW 567 M02-14BK	12-06-94	<.01	.02	4.71	2.90
FSW 567 M02-15W	12-06-94	<.01	.01	3.73	2.66
SDW 317 M01-02GNT	12-06-94	<.01	6.52	.13	15.94
SDW 317 M01-03RT	12-06-94	<.01	7.58	.14	13.82
SDW 317 M01-04BUT	12-06-94	<.01	11.55	.16	11.76
SDW 317 M01-05BKT	12-06-94	<.01	19.37	.17	8.63
SDW 317 M01-06WT	12-06-94	<.01	21.13	.24	8.81
SDW 317 M01-07O	12-06-94	<.01	22.04	.20	8.41
SDW 317 M01-08GY	12-06-94	.01	20.45	.15	8.11
SDW 317 M01-09Y	12-06-94	.01	17.71	.16	8.10
SDW 317 M01-10P	12-06-94	<.01	17.27	.86	8.17
SDW 317 M01-11GN	12-06-94	<.01	17.33	2.99	8.02
SDW 317 M01-12R	12-06-94	<.01	19.02	4.32	8.30
SDW 317 M01-13BU	12-06-94	<.01	20.34	3.59	8.70
SDW 317 M01-14BK	12-06-94	<.01	21.06	3.51	7.90
SDW 317 M01-14BK-D	12-06-94	<.01	20.11	3.58	7.26
SDW 317 M01-15W	12-06-94	<.01	21.81	1.97	6.92
SDW 317 M02-01PT	12-07-94	<.01	22.02	7.03	7.52
SDW 317 M02-02GNT	12-07-94	<.01	20.64	6.47	8.11
SDW 317 M02-03RT	12-07-94	<.01	17.76	3.98	9.68
SDW 317 M02-04BUT	12-07-94	<.01	17.20	.18	9.98
SDW 317 M02-05BKT	12-07-94	<.01	17.19	.27	10.52
SDW 317 M02-06WT	12-07-94	<.01	16.01	.41	10.24
SDW 317 M02-07O	12-07-94	.01	16.22	.26	10.75
SDW 317 M02-08GY	12-07-94	.03	14.21	.15	9.21
SDW 317 M02-09Y	12-07-94	.01	16.08	.16	11.52
SDW 317 M02-10P	12-07-94	<.01	13.75	.19	11.30
SDW 317 M02-11GN	12-07-94	<.01	13.96	.16	11.40
SDW 317 M02-12R	12-07-94	<.01	13.64	.18	8.43
SDW 317 M02-13BU	12-07-94	<.01	13.65	.28	9.25
SDW 317 M02-14BK	12-07-94	<.01	13.24	.28	10.47
SDW 317 M02-15W	12-07-94	<.01	14.20	.18	8.99
SDW 317 M02-15W-D	12-07-94	<.01	15.16	.19	10.52

Table 28. Nitrogen and sulfate analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Nitrite, dissolved (mg/L as N)	Nitrate, dissolved (mg/L as N)	Ammonium, dissolved (mg/L as N)	Sulfate, dissolved (mg/L as S)
SDW 318 M01-02GNT	12-06-94	<0.01	17.28	0.18	8.79
SDW 318 M01-03RT	12-06-94	<.01	17.97	.20	8.17
SDW 318 M01-04BUT	12-06-94	<.01	14.13	.16	8.50
SDW 318 M01-05BKT	12-06-94	<.01	22.13	.20	7.83
SDW 318 M01-06WT	12-06-94	<.01	19.57	.16	7.12
SDW 318 M01-07O	12-06-94	<.01	14.17	.16	9.45
SDW 318 M01-08GY	12-06-94	<.01	10.73	.15	9.11
SDW 318 M01-09Y	12-06-94	.02	3.49	.12	10.75
SDW 318 M01-10P	12-06-94	.04	9.51	.15	8.62
SDW 318 M01-10P-D	12-06-94	.06	9.86	.14	6.07
SDW 318 M01-11GN	12-06-94	.05	15.77	.13	7.83
SDW 318 M01-12R	12-06-94	.01	19.10	.10	4.29
SDW 318 M01-13BU	12-06-94	<.01	25.34	.24	6.99
SDW 318 M01-14BK	12-06-94	.01	12.17	5.86	6.83
SDW 318 M01-15W	12-06-94	.01	14.85	4.57	8.27
MMR STP Effluent at S317	2-02-95	.014	21.95	3.20	8.86

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994

[Source of data: Douglas B. Kent, U.S. Geological Survey, Water Resources Division, National Research Program. Chromium, lead, and nickel are not presented here because they were not detected by the analysis. Multilevel-sampler port No: No., number; D, duplicate sample; MMR STP, Massachusetts Military Reservation sewage-treatment plant. mg/L, milligram per liter; <, actual value is less than method detection limit]

Multilevel-sampler port No.	Date	Aluminum, dissolved (mg/L)	Boron, dissolved (mg/L)	Calcium, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Magnesium, dissolved (mg/L)
FSW 168 M15-01PT	12-13-94	0.402	0.016	1.19	0.030	<0.01	1.33
FSW 168 M15-01PT-D	12-13-94	.383	.013	1.16	<.006	<.01	1.31
FSW 168 M15-02GNT	12-13-94	<.05	.019	1.52	<.006	<.01	2.60
FSW 168 M15-03RT	12-13-94	<.05	.012	1.31	<.006	<.01	2.08
FSW 168 M15-04BUT	12-13-94	<.05	.012	1.34	<.006	<.01	2.10
FSW 168 M15-05BKT	12-13-94	<.05	.016	1.69	<.006	<.01	2.37
FSW 168 M15-06WT	12-13-94	<.05	.015	1.80	<.006	<.01	2.18
FSW 168 M15-07O	12-13-94	<.05	.203	6.6	<.006	<.01	3.36
FSW 168 M15-08GY	12-13-94	<.05	.077	.96	<.006	<.01	.81
FSW 168 M15-09Y	12-13-94	<.05	.126	2.31	<.006	<.01	1.48
FSW 168 M15-10P	12-13-94	<.05	.176	4.4	<.006	<.01	2.51
FSW 168 M15-11GN	12-13-94	<.05	.188	5.1	<.006	<.01	2.80
FSW 168 M15-12R	12-13-94	<.05	.203	6.7	<.006	.029	3.34
FSW 168 M15-13BU	12-13-94	<.05	.218	6.2	<.006	<.01	3.14
FSW 168 M15-14BK	12-13-94	<.05	.219	9.8	<.006	<.01	3.00
FSW 168 M15-15W	12-13-94	<.05	.251	7.9	<.006	<.01	3.63
FSW 239 M01-01PT	11-30-94	<.05	.022	5.1	.023	<.01	2.10
FSW 239 M01-02GNT	11-30-94	.103	.021	6.2	.008	<.01	2.05
FSW 239 M01-02GNT-D	11-30-94	.112	.018	6.4	<.006	<.01	2.09
FSW 239 M01-03RT	11-30-94	.324	.019	6.9	<.006	<.01	2.34
FSW 239 M01-04BUT	11-30-94	<.05	.034	8.7	<.006	<.01	5.48
FSW 239 M01-05BKT	11-30-94	<.05	.159	14.8	<.006	<.01	8.74
FSW 239 M01-06WT	11-30-94	<.05	.40	15.8	<.006	<.01	9.90
FSW 239 M01-07O	11-30-94	<.05	.40	10.6	<.006	<.01	7.26
FSW 239 M01-08GY	11-30-94	<.05	.40	7.7	<.006	<.01	5.03
FSW 239 M01-09Y	11-30-94	<.05	.35	5.8	<.006	<.01	3.96
FSW 239 M01-10P	11-30-94	<.05	.316	5.3	<.006	<.01	2.74
FSW 239 M01-11GN	11-30-94	<.05	.298	7.9	<.006	<.01	3.64
FSW 239 M01-12R	11-30-94	<.05	.238	4.6	<.006	.012	4.42
FSW 239 M01-13BU	11-30-94	<.05	.295	7.3	<.006	<.01	4.38
FSW 239 M01-14BK	11-30-94	<.05	.198	10.5	<.006	<.01	6.25
FSW 239 M01-15W	11-30-94	<.05	.036	6.4	<.006	<.01	4.48
FSW 262 M01-02GNT	12-13-94	<.05	.019	2.60	<.006	<.01	3.30
FSW 262 M01-03RT	12-13-94	<.05	.026	3.00	<.006	<.01	2.49
FSW 262 M01-04BUT	12-13-94	.367	.029	3.53	<.006	<.01	2.94
FSW 262 M01-04BUT-D	12-13-94	<.05	.027	2.31	<.006	<.01	3.13
FSW 262 M01-05BKT	12-13-94	<.05	.020	7.8	<.006	<.01	3.70
FSW 262 M01-06WT	12-13-94	<.05	.070	1.45	<.006	<.01	.69
FSW 262 M01-07O	12-13-94	<.05	.153	2.08	<.006	<.01	1.64
FSW 262 M01-08GY	12-13-94	<.05	.144	8.3	<.006	<.01	3.23
FSW 262 M01-09Y	12-13-94	<.05	.105	5.0	<.006	<.01	3.05
FSW 262 M01-10P	12-13-94	<.05	.071	5.5	<.006	<.01	2.82
FSW 262 M01-11GN	12-13-94	<.05	.103	5.2	<.006	<.01	2.68
FSW 262 M01-12R	12-13-94	<.05	.152	6.6	<.006	<.01	2.85
FSW 262 M01-13BU	12-13-94	<.05	.160	8.3	<.006	<.01	3.50

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Manganese, dissolved (mg/L)	Phosphorus, dissolved (mg/L)	Potassium, dissolved (mg/L)	Silicon, dissolved (mg/L)	Sodium, dissolved (mg/L)	Zinc, dissolved (mg/L)
FSW 168 M15-01PT	12-13-94	0.063	<0.1	0.87	3.06	11.0	<0.016
FSW 168 M15-01PT-D	12-13-94	.069	<.1	.91	2.97	10.8	<.016
FSW 168 M15-02GNT	12-13-94	.012	<.1	1.14	3.53	12.2	<.016
FSW 168 M15-03RT	12-13-94	<.01	<.1	.86	4.00	7.7	.019
FSW 168 M15-04BUT	12-13-94	<.01	<.1	.59	3.94	8.6	<.016
FSW 168 M15-05BKT	12-13-94	<.01	<.1	.86	4.13	11.0	<.016
FSW 168 M15-06WT	12-13-94	<.01	<.1	.88	4.51	10.6	<.016
FSW 168 M15-07O	12-13-94	.043	<.1	.99	5.5	20.5	<.016
FSW 168 M15-08GY	12-13-94	<.01	<.1	1.95	3.64	11.7	<.016
FSW 168 M15-09Y	12-13-94	<.01	<.1	2.51	2.77	15.6	<.016
FSW 168 M15-10P	12-13-94	<.01	<.1	2.30	2.91	15.5	<.016
FSW 168 M15-11GN	12-13-94	.025	<.1	1.07	3.71	16.7	<.016
FSW 168 M15-12R	12-13-94	.043	<.1	1.07	5.5	20.2	<.016
FSW 168 M15-13BU	12-13-94	.016	<.1	.92	5.0	21.3	<.016
FSW 168 M15-14BK	12-13-94	.017	<.1	1.69	5.2	23.1	<.016
FSW 168 M15-15W	12-13-94	.026	<.1	1.17	5.8	23.1	<.016
FSW 239 M01-01PT	11-30-94	.031	<.1	.91	2.62	40	<.016
FSW 239 M01-02GNT	11-30-94	.066	<.1	1.41	2.39	45	<.016
FSW 239 M01-02GNT-D	11-30-94	.069	<.1	1.19	2.43	46	<.016
FSW 239 M01-03RT	11-30-94	.106	<.1	1.74	2.53	55	<.016
FSW 239 M01-04BUT	11-30-94	<.01	<.1	3.72	3.42	42	<.016
FSW 239 M01-05BKT	11-30-94	.446	<.1	5.59	5.6	66	<.016
FSW 239 M01-06WT	11-30-94	5.60	<.1	3.11	7.2	59	<.016
FSW 239 M01-07O	11-30-94	5.61	<.1	2.67	8.0	50	<.016
FSW 239 M01-08GY	11-30-94	5.31	<.1	2.34	7.9	46	<.016
FSW 239 M01-09Y	11-30-94	4.70	<.1	2.15	8.1	46	<.016
FSW 239 M01-10P	11-30-94	2.80	<.1	2.28	7.6	50	<.016
FSW 239 M01-11GN	11-30-94	4.31	.10	2.49	8.2	43	<.016
FSW 239 M01-12R	11-30-94	2.36	<.1	2.12	8.2	37	<.016
FSW 239 M01-13BU	11-30-94	3.86	<.1	2.28	8.2	34	<.016
FSW 239 M01-14BK	11-30-94	4.03	<.1	3.04	9.2	23.5	<.016
FSW 239 M01-15W	11-30-94	.76	<.1	2.27	8.1	9.0	<.016
FSW 262 M01-02GNT	12-13-94	.051	<.1	1.78	3.65	8.5	<.016
FSW 262 M01-03RT	12-13-94	.012	<.1	.63	4.3	11.9	<.016
FSW 262 M01-04BUT	12-13-94	<.01	<.1	.84	4.5	12.7	.027
FSW 262 M01-04BUT-D	12-13-94	<.01	<.1	.53	4.6	13.3	<.016
FSW 262 M01-05BKT	12-13-94	<.01	<.1	1.31	4.8	12.7	.018
FSW 262 M01-06WT	12-13-94	<.01	<.1	1.69	3.72	13.7	<.016
FSW 262 M01-07O	12-13-94	<.01	<.1	3.35	2.13	17.8	<.016
FSW 262 M01-08GY	12-13-94	<.01	.11	3.68	3.34	25.0	<.016
FSW 262 M01-09Y	12-13-94	<.01	<.1	3.45	3.97	22.1	<.016
FSW 262 M01-10P	12-13-94	<.01	<.1	2.06	4.4	16.4	<.016
FSW 262 M01-11GN	12-13-94	.028	<.1	1.53	4.7	15.1	<.016
FSW 262 M01-12R	12-13-94	<.01	<.1	1.23	6.2	18.7	<.016
FSW 262 M01-13BU	12-13-94	<.01	<.1	.81	6.1	18.3	<.016

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Aluminum, dissolved (mg/L)	Boron, dissolved (mg/L)	Calcium, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Magnesium, dissolved (mg/L)
FSW 300 M02-01PT	12-12-94	0.059	0.170	12.4	<0.006	<0.01	5.28
FSW 300 M02-02GNT	12-12-94	<.05	.171	7.61	<.006	<.01	4.94
FSW 300 M02-03RT	12-12-94	<.05	.176	6.8	<.006	<.01	3.78
FSW 300 M02-04BUT	12-12-94	.055	.155	5.8	<.006	<.01	2.97
FSW 300 M02-04BUT-D	12-12-94	<.05	.167	5.4	<.006	<.01	3.11
FSW 300 M02-05BKT	12-12-94	<.05	.153	3.9	<.006	<.01	1.79
FSW 300 M02-06WT	12-12-94	<.05	.123	3.09	<.006	<.01	1.78
FSW 300 M02-07O	12-12-94	<.05	.120	3.06	<.006	<.01	1.85
FSW 300 M02-08GY	12-12-94	<.05	.118	3.7	<.006	<.01	1.98
FSW 300 M02-09Y	12-12-94	<.05	.120	4.7	<.006	<.01	3.39
FSW 300 M02-10P	12-12-94	<.05	.095	4.7	<.006	<.01	3.58
FSW 300 M02-11GN	12-12-94	<.05	.070	5.2	<.006	<.01	4.19
FSW 300 M02-12R	12-12-94	<.05	.050	5.9	<.006	<.01	4.55
FSW 300 M02-13BU	12-12-94	<.05	.043	5.0	<.006	<.01	3.71
FSW 300 M02-14BK	12-12-94	<.05	.032	4.4	<.006	<.01	2.60
FSW 300 M02-15W	12-12-94	<.05	.032	.75	<.006	<.01	.35
FSW 300 M03-01PT	12-12-94	1.22	.012	1.22	.010	<.01	1.50
FSW 300 M03-02GNT	12-12-94	<.05	.016	1.97	<.006	<.01	1.43
FSW 300 M03-03RT	12-12-94	<.05	.039	2.47	<.006	<.01	1.62
FSW 300 M03-04BUT	12-12-94	<.05	.100	5.0	<.006	<.01	2.86
FSW 300 M03-05BKT	12-12-94	<.05	.156	6.2	<.006	<.01	3.70
FSW 300 M03-05BKT-D	12-12-94	<.05	.158	6.1	<.006	<.01	3.62
FSW 300 M03-06WT	12-12-94	<.05	.232	8.2	<.006	<.01	4.72
FSW 300 M03-07O	12-12-94	<.05	.305	10.7	<.006	<.01	6.47
FSW 300 M03-08GY	12-12-94	<.05	.271	10.2	<.006	<.01	6.53
FSW 300 M03-09Y	12-12-94	<.05	.250	8.6	<.006	<.01	5.60
FSW 300 M03-10P	12-12-94	<.05	.201	6.6	<.006	<.01	4.00
FSW 300 M03-11GN	12-12-94	<.05	.154	4.0	<.006	<.01	2.27
FSW 300 M03-12R	12-12-94	<.05	.178	4.4	<.006	<.01	2.36
FSW 300 M03-13BU	12-12-94	<.05	.188	5.4	<.006	<.01	3.16
FSW 300 M03-14BK	12-12-94	<.05	.178	6.9	<.006	<.01	3.56
FSW 300 M03-15W	12-12-94	<.05	.183	8.1	<.006	<.01	5.14
FSW 343 M01-01PT	11-29-94	<.05	.240	5.8	<.006	14.6	3.44
FSW 343 M01-02GNT	11-29-94	<.05	.125	4.8	<.006	13.2	2.93
FSW 343 M01-03RT	11-29-94	<.05	.095	3.15	<.006	6.35	1.83
FSW 343 M01-04BUT	11-29-94	<.05	.044	3.37	<.006	9.54	3.11
FSW 343 M01-05BKT	11-29-94	<.05	.042	4.9	<.006	.041	3.93
FSW 343 M01-06WT	11-29-94	<.05	.027	3.6	<.006	<.01	4.24
FSW 343 M01-06WT-D	11-29-94	<.05	.025	3.4	<.006	<.01	4.18
FSW 343 M01-07O	11-29-94	<.05	.026	4.1	<.006	<.01	4.56
FSW 343 M01-08GY	11-29-94	<.05	.021	6.0	<.006	.056	5.88
FSW 343 M01-09Y	11-29-94	<.05	.012	2.74	<.006	<.01	2.81
FSW 343 M01-10P	11-29-94	<.05	.014	3.76	<.006	<.01	1.91
FSW 343 M01-11GN	11-29-94	<.05	.014	3.48	<.006	<.01	1.82
FSW 343 M01-12R	11-29-94	<.05	.013	3.29	<.006	<.01	2.14
FSW 343 M01-13BU	11-29-94	<.05	.018	4.0	<.006	.063	2.00
FSW 343 M01-14BK	11-29-94	<.05	.014	4.0	<.006	.012	2.14
FSW 343 M01-15W	11-29-94	<.05	.019	5.0	<.006	<.01	3.30

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Manganese, dissolved (mg/L)	Phosphorus, dissolved (mg/L)	Potassium, dissolved (mg/L)	Silicon, dissolved (mg/L)	Sodium, dissolved (mg/L)	Zinc, dissolved (mg/L)
FSW 300 M02-01PT	12-12-94	4.51	1.35	3.92	7.4	18.5	0.024
FSW 300 M02-02GNT	12-12-94	5.05	1.23	3.85	7.3	24.4	<.016
FSW 300 M02-03RT	12-12-94	4.69	1.21	3.49	7.2	23.9	<.016
FSW 300 M02-04BUT	12-12-94	4.26	.93	3.18	6.8	17.2	<.016
FSW 300 M02-04BUT-D	12-12-94	4.54	1.01	3.07	7.2	18.0	<.016
FSW 300 M02-05BKT	12-12-94	3.00	1.20	2.25	6.8	15.8	<.016
FSW 300 M02-06WT	12-12-94	3.37	1.22	2.41	6.6	14.8	<.016
FSW 300 M02-07O	12-12-94	3.52	1.22	2.75	6.4	15.4	<.016
FSW 300 M02-08GY	12-12-94	3.76	1.06	2.34	6.4	17.4	<.016
FSW 300 M02-09Y	12-12-94	5.18	.44	2.64	6.6	15.2	<.016
FSW 300 M02-10P	12-12-94	4.13	.139	2.52	6.6	13.3	<.016
FSW 300 M02-11GN	12-12-94	2.38	.132	2.36	6.6	11.7	<.016
FSW 300 M02-12R	12-12-94	1.93	.239	2.34	6.5	10.9	<.016
FSW 300 M02-13BU	12-12-94	1.28	.157	2.43	6.3	9.7	<.016
FSW 300 M02-14BK	12-12-94	.682	<.1	2.75	6.4	7.8	<.016
FSW 300 M02-15W	12-12-94	.084	<.1	1.77	7.2	13.0	<.016
FSW 300 M03-01PT	12-12-94	.342	<.1	<.4	2.92	11.9	.022
FSW 300 M03-02GNT	12-12-94	.024	<.1	.54	3.12	9.9	<.016
FSW 300 M03-03RT	12-12-94	<.01	<.1	1.09	3.71	9.1	.018
FSW 300 M03-04BUT	12-12-94	.013	<.1	2.49	5.1	14.3	<.016
FSW 300 M03-05BKT	12-12-94	.156	<.1	3.71	6.1	20.4	<.016
FSW 300 M03-05BKT-D	12-12-94	.134	<.1	3.83	6.0	19.8	<.016
FSW 300 M03-06WT	12-12-94	2.66	<.1	4.58	6.6	28.7	<.016
FSW 300 M03-07O	12-12-94	5.26	1.20	6.38	7.0	41	<.016
FSW 300 M03-08GY	12-12-94	7.47	1.38	6.90	7.0	38	<.016
FSW 300 M03-09Y	12-12-94	8.45	1.25	6.77	6.9	35	<.016
FSW 300 M03-10P	12-12-94	6.84	1.27	7.48	7.0	33	<.016
FSW 300 M03-11GN	12-12-94	4.17	1.54	7.22	7.0	27.7	<.016
FSW 300 M03-12R	12-12-94	3.98	1.69	6.81	7.1	25.4	<.016
FSW 300 M03-13BU	12-12-94	4.90	1.65	5.40	7.0	22.9	<.016
FSW 300 M03-14BK	12-12-94	3.57	1.64	3.81	7.1	22.1	.020
FSW 300 M03-15W	12-12-94	4.44	1.39	3.90	7.2	18.7	.033
FSW 343 M01-01PT	11-29-94	.220	3.33	5.79	5.9	41	<.016
FSW 343 M01-02GNT	11-29-94	.193	2.98	7.42	6.2	28.4	<.016
FSW 343 M01-03RT	11-29-94	.077	.75	4.17	6.0	21.6	<.016
FSW 343 M01-04BUT	11-29-94	.172	.65	5.82	5.8	13.7	<.016
FSW 343 M01-05BKT	11-29-94	<.01	<.1	3.28	5.3	9.5	<.016
FSW 343 M01-06WT	11-29-94	.012	<.1	2.19	4.9	14.4	<.016
FSW 343 M01-06WT-D	11-29-94	.011	<.1	1.96	4.9	13.7	<.016
FSW 343 M01-07O	11-29-94	.052	<.1	3.09	4.8	14.5	<.016
FSW 343 M01-08GY	11-29-94	.052	.119	1.99	5.0	14.2	<.016
FSW 343 M01-09Y	11-29-94	<.01	.103	1.17	5.0	6.0	<.016
FSW 343 M01-10P	11-29-94	<.01	.202	1.18	5.3	5.5	<.016
FSW 343 M01-11GN	11-29-94	<.01	.220	1.13	5.6	5.5	<.016
FSW 343 M01-12R	11-29-94	.162	.228	1.64	6.0	5.7	<.016
FSW 343 M01-13BU	11-29-94	.013	.178	.97	5.7	6.3	<.016
FSW 343 M01-14BK	11-29-94	<.01	.213	1.21	6.0	6.1	<.016
FSW 343 M01-15W	11-29-94	.275	.264	2.12	6.8	7.7	<.016

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Aluminum, dissolved (mg/L)	Boron, dissolved (mg/L)	Calcium, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Magnesium, dissolved (mg/L)
FSW 343 M02-01PT	11-29-94	<0.05	0.36	15.1	0.031	0.021	3.44
FSW 343 M02-02GNT	11-29-94	<.05	.41	18.8	.010	.020	4.22
FSW 343 M02-03RT	11-29-94	<.05	.39	18.3	.008	.016	4.15
FSW 343 M02-04BUT	11-29-94	<.05	.340	14.3	.007	.014	3.13
FSW 343 M02-05BKT	11-29-94	<.05	.331	13.3	.009	.021	2.65
FSW 343 M02-06WT	11-29-94	<.05	.36	12.8	<.006	.021	2.95
FSW 343 M02-07O	11-29-94	<.05	.43	13.0	<.006	.014	7.5
FSW 343 M02-08GY	11-29-94	<.05	.40	8.4	<.006	14.8	3.74
FSW 343 M02-09Y	11-29-94	<.05	.37	10.7	<.006	16.1	4.5
FSW 343 M02-10P	11-29-94	<.05	.343	7.0	<.006	14.1	4.4
FSW 343 M02-11GN	11-29-94	<.05	.329	7.6	<.006	13.6	4.3
FSW 343 M02-12R	11-29-94	<.05	.296	9.4	<.006	13.9	4.09
FSW 343 M02-13BU	11-29-94	<.05	.230	7.0	<.006	12.5	3.83
FSW 343 M02-14BK	11-29-94	<.05	.169	5.6	<.006	13.6	3.25
FSW 343 M02-15W	11-29-94	<.05	.107	10.6	<.006	14.2	3.57
FSW 343 M03-02GNT 1-19	11-29-94	<.05	.026	2.86	<.006	<.01	1.77
FSW 343 M03-03RT 1-19	11-29-94	<.05	.009	1.27	<.006	.014	1.16
FSW 343 M03-04BUT 1-19	11-29-94	<.05	.084	8.0	<.006	<.01	2.73
FSW 343 M03-05BKT 1-19	11-30-94	<.05	.132	13.0	<.006	.011	3.85
FSW 343 M03-06WT 1-19	11-30-94	<.05	.163	15.9	<.006	.013	4.09
FSW 343 M03-07O 1-19	11-30-94	<.05	.184	13.6	.009	.013	3.29
FSW 343 M03-08GY 1-19	11-30-94	<.05	.205	14.6	.010	.018	3.65
FSW 343 M03-09Y 1-19	11-30-94	<.05	.230	14.8	.009	.011	3.86
FSW 343 M03-09Y-D 1-19	11-30-94	<.05	.229	14.7	.008	.011	3.80
FSW 343 M03-10P 1-19	11-30-94	<.05	.285	13.5	.009	.013	3.39
FSW 343 M03-11GN 1-19	11-30-94	<.05	.321	14.7	.007	.015	3.51
FSW 343 M03-12R 1-19	11-30-94	<.05	.35	17.0	<.006	.017	3.89
FSW 343 M03-13BU 1-19	11-29-94	<.05	.37	18.6	<.006	.019	4.04
FSW 343 M03-14BK 1-19	11-29-94	<.05	.41	21.6	<.006	.017	4.8
FSW 343 M03-15W 1-19	11-29-94	<.05	.40	20.9	<.006	.020	4.6
FSW 347 M01-01PT	11-30-94	.069	.009	3.15	<.006	<.01	.80
FSW 347 M01-02GNT	11-30-94	<.05	.020	3.80	<.006	<.01	1.68
FSW 347 M01-03RT	11-30-94	<.05	.035	5.9	<.006	<.01	2.32
FSW 347 M01-04BUT	11-30-94	<.05	.054	8.8	<.006	<.01	2.65
FSW 347 M01-05BKT	11-30-94	<.05	.139	10.2	<.006	<.01	3.30
FSW 347 M01-06WT	11-30-94	<.05	.147	13.5	.007	<.01	3.41
FSW 347 M01-07O	11-30-94	<.05	.151	11.2	<.006	<.01	3.67
FSW 347 M01-08GY	12-01-94	<.05	.160	14.1	<.006	<.01	6.1
FSW 347 M01-08GY-D	12-01-94	<.05	.161	19.3	<.006	<.01	6.0
FSW 347 M01-09Y	12-01-94	<.05	.176	21.8	.006	<.01	7.3
FSW 347 M01-10P	12-01-94	<.05	.205	22.7	<.006	.011	9.4
FSW 347 M01-11GN	12-01-94	<.05	.251	21.1	<.006	.012	9.4
FSW 347 M01-12R	12-01-94	<.05	.268	27.2	.016	.011	7.7
FSW 347 M01-13BU	12-01-94	<.05	.251	15.0	<.006	<.01	6.4
FSW 347 M01-14BK	12-01-94	<.05	.232	14.7	<.006	<.01	6.6
FSW 347 M01-15W	12-01-94	<.05	.204	13.4	<.006	<.01	6.9

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Manganese, dissolved (mg/L)	Phosphorus, dissolved (mg/L)	Potassium, dissolved (mg/L)	Silicon, dissolved (mg/L)	Sodium, dissolved (mg/L)	Zinc, dissolved (mg/L)
FSW 343 M02-01PT	11-29-94	0.297	0.82	9.0	7.6	55	0.025
FSW 343 M02-02GNT	11-29-94	.370	.38	8.7	7.5	62	<.016
FSW 343 M02-03RT	11-29-94	.330	.168	9.4	7.8	62	<.016
FSW 343 M02-04BUT	11-29-94	.193	.404	8.8	8.1	53	<.016
FSW 343 M02-05BKT	11-29-94	.168	.171	8.0	8.0	54	<.016
FSW 343 M02-06WT	11-29-94	.151	.120	11.8	8.2	57	<.016
FSW 343 M02-07O	11-29-94	.189	<.1	12.6	7.3	55	<.016
FSW 343 M02-08GY	11-29-94	.270	2.93	5.1	5.9	56	<.016
FSW 343 M02-09Y	11-29-94	.274	2.78	6.5	6.8	54	<.016
FSW 343 M02-10P	11-29-94	.231	3.02	6.6	6.2	59	<.016
FSW 343 M02-11GN	11-29-94	.215	2.87	6.8	6.5	56	<.016
FSW 343 M02-12R	11-29-94	.218	2.76	5.5	6.4	53	<.016
FSW 343 M02-13BU	11-29-94	.208	3.32	4.1	6.6	42	<.016
FSW 343 M02-14BK	11-29-94	.212	3.08	6.0	6.4	36	<.016
FSW 343 M02-15W	11-29-94	.218	3.08	5.3	6.2	32	<.016
FSW 343 M03-02GNT 1-19	11-29-94	.044	<.1	1.61	4.19	9.9	.024
FSW 343 M03-03RT 1-19	11-29-94	.125	<.1	1.13	3.48	7.1	<.016
FSW 343 M03-04BUT 1-19	11-29-94	<.01	.392	3.3	5.0	16.4	.421
FSW 343 M03-05BKT 1-19	11-30-94	.015	.66	4.5	5.6	21.4	.533
FSW 343 M03-06WT 1-19	11-30-94	.048	.76	5.8	6.1	23.7	.548
FSW 343 M03-07O 1-19	11-30-94	.097	.83	8.7	6.6	26.2	.419
FSW 343 M03-08GY 1-19	11-30-94	.181	.73	4.5	7.0	27.4	.199
FSW 343 M03-09Y 1-19	11-30-94	.233	.57	7.8	7.2	31	.032
FSW 343 M03-09Y-D 1-19	11-30-94	.229	.56	7.7	7.2	31	.027
FSW 343 M03-10P 1-19	11-30-94	.203	.48	8.4	7.6	40	<.016
FSW 343 M03-11GN 1-19	11-30-94	.233	.386	8.9	7.7	46	<.016
FSW 343 M03-12R 1-19	11-30-94	.310	.337	9.4	7.6	52	<.016
FSW 343 M03-13BU 1-19	11-29-94	.345	.221	9.6	7.4	55	<.016
FSW 343 M03-14BK 1-19	11-29-94	.428	.150	10.5	7.1	55	<.016
FSW 343 M03-15W 1-19	11-29-94	.437	.170	10.6	7.2	54	<.016
FSW 347 M01-01PT	11-30-94	.060	<.1	1.24	2.59	5.2	<.016
FSW 347 M01-02GNT	11-30-94	.045	<.1	1.49	4.02	8.2	.135
FSW 347 M01-03RT	11-30-94	.043	<.1	2.54	5.3	10.7	.493
FSW 347 M01-04BUT	11-30-94	.066	.85	4.4	6.2	11.8	.538
FSW 347 M01-05BKT	11-30-94	.63	2.17	6.0	7.2	25.6	<.016
FSW 347 M01-06WT	11-30-94	.76	2.66	6.4	7.0	33	<.016
FSW 347 M01-07O	11-30-94	.87	2.82	5.0	7.2	35	<.016
FSW 347 M01-08GY	12-01-94	1.48	2.34	5.0	7.5	34	<.016
FSW 347 M01-08GY-D	12-01-94	1.44	2.30	5.4	7.3	34	<.016
FSW 347 M01-09Y	12-01-94	1.79	1.88	5.6	7.2	33	<.016
FSW 347 M01-10P	12-01-94	1.90	1.61	5.6	6.7	36	<.016
FSW 347 M01-11GN	12-01-94	1.67	1.18	6.8	6.6	36	<.016
FSW 347 M01-12R	12-01-94	1.30	.772	10.3	6.3	37	<.016
FSW 347 M01-13BU	12-01-94	.67	.439	9.9	6.3	40	<.016
FSW 347 M01-14BK	12-01-94	.54	.377	10.9	6.2	39	<.016
FSW 347 M01-15W	12-01-94	.54	.384	10.0	6.4	35	<.016

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Aluminum, dissolved (mg/L)	Boron, dissolved (mg/L)	Calcium, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Magnesium, dissolved (mg/L)
FSW 347 M06-01PT	11-30-94	<0.05	0.302	17.4	0.012	0.017	8.1
FSW 347 M06-02GNT	11-30-94	<.05	.126	9.0	<.006	<.01	5.0
FSW 347 M06-03RT	11-30-94	<.05	.125	6.2	<.006	.029	3.05
FSW 347 M06-04BUT	11-30-94	<.05	.099	6.5	<.006	.015	3.26
FSW 347 M06-05BKT	11-30-94	<.05	.072	10.1	<.006	4.2	4.19
FSW 347 M06-06WT	11-30-94	<.05	.062	12.3	<.006	.98	7.0
FSW 347 M06-07O	11-30-94	<.05	.058	5.8	<.006	12.4	2.97
FSW 347 M06-08GY	11-30-94	<.05	.045	4.5	<.006	6.6	3.05
FSW 347 M06-09Y	11-30-94	<.05	.038	5.4	<.006	.061	2.79
FSW 347 M06-10P	11-30-94	<.05	.023	9.3	<.006	19.5	5.4
FSW 347 M06-10P-D	11-30-94	<.05	.036	5.4	<.006	.047	2.78
FSW 347 M06-11GN	11-30-94	<.05	.028	4.0	<.006	.017	1.60
FSW 347 M06-12R	11-30-94	<.05	.025	4.1	<.006	<.01	1.63
FSW 347 M06-13BU	11-30-94	<.05	.023	3.9	<.006	<.01	1.51
FSW 347 M06-14BK	11-30-94	<.05	.019	3.0	<.006	<.01	1.37
FSW 350 M01-01PT	12-14-94	.44	.014	.71	.013	<.01	1.04
FSW 350 M01-02GNT	12-14-94	.42	.012	.90	<.006	<.01	1.08
FSW 350 M01-03RT	12-14-94	<.05	.013	1.03	<.006	<.01	1.36
FSW 350 M01-04BUT	12-14-94	<.05	.012	1.71	<.006	<.01	2.87
FSW 350 M01-05BKT	12-14-94	<.05	.012	1.33	<.006	<.01	1.64
FSW 350 M01-06WT	12-14-94	<.05	.133	1.78	<.006	<.01	1.53
FSW 350 M01-07O	12-14-94	<.05	.180	2.28	<.006	<.01	1.57
FSW 350 M01-08GY	12-14-94	<.05	.178	4.1	<.006	<.01	2.25
FSW 350 M01-09Y	12-14-94	<.05	.246	5.9	<.006	<.01	2.92
FSW 350 M01-10P	12-14-94	<.05	.266	8.1	<.006	<.01	3.79
FSW 350 M01-11GN	12-14-94	<.05	.263	6.8	<.006	<.01	3.33
FSW 350 M01-11GN-D	12-14-94	<.05	.250	6.6	<.006	<.01	3.24
FSW 350 M01-12R	12-14-94	<.05	.228	5.5	<.006	<.01	2.81
FSW 350 M01-13BU	12-14-94	<.05	.198	7.3	<.006	<.01	3.64
FSW 350 M01-14BK	12-14-94	<.05	.210	9.0	<.006	<.01	4.30
FSW 350 M01-15W	12-14-94	<.05	.130	9.8	<.006	<.01	4.60
FSW 373 M01-01PT	12-13-94	<.05	.012	1.14	.009	<.01	1.91
FSW 373 M01-02GNT	12-13-94	<.05	.019	1.63	<.006	<.01	2.91
FSW 373 M01-03RT	12-13-94	<.05	.030	7.0	<.006	<.01	5.7
FSW 373 M01-04BUT	12-13-94	<.05	.033	4.2	<.006	<.01	5.2
FSW 373 M01-05BKT	12-13-94	<.05	.030	5.8	<.006	<.01	5.6
FSW 373 M01-06WT	12-13-94	<.05	.031	6.5	<.006	<.01	5.9
FSW 373 M01-07O	12-13-94	<.05	.072	1.47	<.006	<.01	0.85
FSW 373 M01-08GY	12-13-94	<.05	.097	3.01	<.006	<.01	1.35
FSW 373 M01-09Y	12-13-94	<.05	.069	8.3	<.006	<.01	3.18
FSW 373 M01-10P	12-13-94	<.05	.054	7.3	<.006	<.01	3.46
FSW 373 M01-11GN	12-13-94	<.05	.110	10.1	<.006	<.01	3.84
FSW 373 M01-12R	12-13-94	.058	.116	24.2	<.006	<.01	3.88
FSW 373 M01-12R-D	12-13-94	<.05	.118	8.4	<.006	<.01	3.75
FSW 373 M01-13BU	12-13-94	<.05	.135	9.9	<.006	<.01	3.78
FSW 373 M01-14BK	12-13-94	<.05	.146	10.3	<.006	<.01	4.44
FSW 373 M01-15W	12-13-94	<.05	.110	11.5	<.006	<.01	5.0

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Manganese, dissolved (mg/L)	Phosphorus, dissolved (mg/L)	Potassium, dissolved (mg/L)	Silicon, dissolved (mg/L)	Sodium, dissolved (mg/L)	Zinc, dissolved (mg/L)
FSW 347 M06-01PT	11-30-94	1.12	0.58	11.64	6.5	40	<0.016
FSW 347 M06-02GNT	11-30-94	.56	.61	7.47	6.8	22.3	<.016
FSW 347 M06-03RT	11-30-94	.185	.171	6.85	6.7	17.8	<.016
FSW 347 M06-04BUT	11-30-94	.88	1.91	4.28	6.6	17.2	<.016
FSW 347 M06-05BKT	11-30-94	.86	1.90	4.8	6.6	9.0	<.016
FSW 347 M06-06WT	11-30-94	1.71	1.80	5.2	6.5	9.1	<.016
FSW 347 M06-07O	11-30-94	.48	2.82	3.3	6.3	10.0	<.016
FSW 347 M06-08GY	11-30-94	.49	2.09	3.9	6.0	12.2	<.016
FSW 347 M06-09Y	11-30-94	1.87	.65	3.8	5.8	12.8	<.016
FSW 347 M06-10P	11-30-94	.52	2.77	5.0	6.5	9.1	<.016
FSW 347 M06-10P-D	11-30-94	1.86	.67	3.7	5.8	12.9	<.016
FSW 347 M06-11GN	11-30-94	1.45	.381	5.1	6.1	8.5	<.016
FSW 347 M06-12R	11-30-94	.50	.303	5.0	5.9	7.2	<.016
FSW 347 M06-13BU	11-30-94	.225	.324	5.3	6.0	7.4	<.016
FSW 347 M06-14BK	11-30-94	.053	.246	2.9	5.6	5.0	<.016
FSW 350 M01-01PT	12-14-94	.049	<.1	.54	2.69	6.3	.048
FSW 350 M01-02GNT	12-14-94	.063	<.1	.83	2.93	9.7	<.016
FSW 350 M01-03RT	12-14-94	<.01	<.1	1.05	3.31	6.5	<.016
FSW 350 M01-04BUT	12-14-94	<.01	<.1	.98	4.08	14.0	<.016
FSW 350 M01-05BKT	12-14-94	<.01	<.1	.66	4.17	10.7	<.016
FSW 350 M01-06WT	12-14-94	<.01	<.1	.90	4.6	14.0	<.016
FSW 350 M01-07O	12-14-94	<.01	<.1	2.01	3.50	17.4	<.016
FSW 350 M01-08GY	12-14-94	<.01	<.1	.97	3.90	20.0	<.016
FSW 350 M01-09Y	12-14-94	.013	<.1	1.04	5.3	24.7	<.016
FSW 350 M01-10P	12-14-94	.021	<.1	1.14	6.3	25.6	<.016
FSW 350 M01-11GN	12-14-94	.017	<.1	1.13	5.4	27.4	<.016
FSW 350 M01-11GN-D	12-14-94	.016	<.1	1.58	5.3	26.1	<.016
FSW 350 M01-12R	12-14-94	<.01	<.1	1.45	4.09	25.2	<.016
FSW 350 M01-13BU	12-14-94	<.01	<.1	1.38	4.8	25.3	<.016
FSW 350 M01-14BK	12-14-94	<.01	<.1	1.71	5.7	23.4	<.016
FSW 350 M01-15W	12-14-94	<.01	<.1	1.56	8.3	22.5	<.016
FSW 373 M01-01PT	12-13-94	<.01	<.1	<.4	3.52	7.8	<.016
FSW 373 M01-02GNT	12-13-94	<.01	<.1	.64	4.02	17.5	<.016
FSW 373 M01-03RT	12-13-94	.012	<.1	1.35	4.8	13.2	<.016
FSW 373 M01-04BUT	12-13-94	<.01	<.1	1.14	4.9	13.5	<.016
FSW 373 M01-05BKT	12-13-94	<.01	<.1	1.07	4.9	15.3	<.016
FSW 373 M01-06WT	12-13-94	.014	<.1	1.30	5.0	17.8	.017
FSW 373 M01-07O	12-13-94	.013	<.1	2.17	2.62	9.8	<.016
FSW 373 M01-08GY	12-13-94	.017	<.1	2.8	3.08	12.3	<.016
FSW 373 M01-09Y	12-13-94	.039	<.1	3.6	5.1	14.5	.027
FSW 373 M01-10P	12-13-94	.042	<.1	2.15	6.3	12.6	<.016
FSW 373 M01-11GN	12-13-94	.052	<.1	1.54	8.7	16.8	.017
FSW 373 M01-12R	12-13-94	.028	.161	2.26	8.6	20.0	.036
FSW 373 M01-12R-D	12-13-94	.027	<.1	1.54	8.8	17.8	<.016
FSW 373 M01-13BU	12-13-94	.027	<.1	1.45	8.5	16.1	<.016
FSW 373 M01-14BK	12-13-94	.020	<.1	1.45	9.1	17.2	<.016
FSW 373 M01-15W	12-13-94	.023	<.1	1.63	9.6	18.8	<.016

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Aluminum, dissolved (mg/L)	Boron, dissolved (mg/L)	Calcium, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Magnesium, dissolved (mg/L)
FSW 424 M01-01PT	12-01-94	<0.05	0.37	16.0	<0.006	<0.01	5.1
FSW 424 M01-02GNT	12-01-94	<.05	.36	9.8	<.006	.012	5.3
FSW 424 M01-03RT	12-01-94	<.05	.342	25.0	<.006	.013	4.53
FSW 424 M01-04BUT	12-01-94	<.05	.331	30.8	<.006	.013	4.28
FSW 424 M01-05BKT	12-01-94	<.05	.262	14.0	<.006	<.01	4.07
FSW 424 M01-06WT	12-01-94	<.05	.279	14.5	<.006	<.01	4.34
FSW 424 M01-07O	12-01-94	<.05	.252	10.8	<.006	<.01	3.46
FSW 424 M01-08GY	12-01-94	<.05	.208	12.0	<.006	<.01	4.15
FSW 424 M01-09Y	12-01-94	<.05	.194	5.7	<.006	<.01	3.60
FSW 424 M01-10P	12-01-94	<.05	.139	6.4	<.006	<.01	3.57
FSW 424 M01-11GN	12-01-94	<.05	.094	8.3	<.006	<.01	2.86
FSW 424 M01-12R	12-01-94	<.05	.068	2.70	<.006	<.01	1.94
FSW 424 M01-13BU	12-01-94	<.05	.062	6.4	<.006	<.01	2.29
FSW 424 M01-13BU-D	12-01-94	<.05	.055	3.13	<.006	<.01	2.15
FSW 424 M01-14BK	12-01-94	<.05	.033	6.3	<.006	<.01	3.18
FSW 424 M01-15W	12-01-94	<.05	.025	4.06	<.006	<.01	1.89
FSW 424 M02-01PT 72-13	12-02-94	<.05	.013	2.70	<.006	.029	.81
FSW 424 M02-02GNT 72-13	12-02-94	<.05	.010	2.59	<.006	.488	.85
FSW 424 M02-03RT 72-13	12-02-94	<.05	.010	2.13	<.006	<.01	.72
FSW 424 M02-04BUT 72-13	12-02-94	<.05	.009	1.71	<.006	<.01	.69
FSW 424 M02-05BKT 72-13	12-02-94	<.05	.014	1.64	<.006	.031	.78
FSW 424 M02-06WT 72-13	12-02-94	<.05	.038	2.55	<.006	.101	1.23
FSW 424 M02-07O 72-13	12-02-94	<.05	.102	5.6	<.006	.164	2.42
FSW 424 M02-08GY 72-13	12-02-94	<.05	.202	9.3	<.006	.193	3.81
FSW 424 M02-09Y 72-13	12-02-94	<.05	.36	15.5	<.006	.046	6.3
FSW 424 M02-10P 72-13	12-02-94	<.05	.40	17.7	<.006	.012	7.4
FSW 424 M02-11GN 72-13	12-02-94	<.05	.42	17.3	<.006	<.01	7.7
FSW 424 M02-12R 72-13	12-02-94	<.05	.44	13.6	<.006	<.01	6.5
FSW 424 M02-13BU 72-13	12-02-94	<.05	.46	12.4	<.006	<.01	6.0
FSW 424 M02-14BK 72-13	12-02-94	<.05	.43	10.7	<.006	<.01	5.1
FSW 424 M02-14BK-D 72-13	12-02-94	<.05	.44	15.6	<.006	<.01	5.4
FSW 424 M02-15W 72-13	12-02-94	<.05	.42	8.9	<.006	<.01	4.48
FSW 429 M01-01PT	12-01-94	.178	.034	184	.064	.085	4.58
FSW 429 M01-02GNT	12-01-94	<.05	.008	1.75	<.006	<.01	1.90
FSW 429 M01-03RT	12-01-94	<.05	.009	14.4	<.006	<.01	1.98
FSW 429 M01-04BUT	12-01-94	<.05	.010	9.6	<.006	<.01	2.23
FSW 429 M01-05BKT	12-01-94	<.05	.020	5.8	<.006	<.01	2.20
FSW 429 M01-06WT	12-01-94	<.05	.084	9.2	<.006	.112	2.22
FSW 429 M01-07O	12-01-94	<.05	.010	12.6	<.006	.013	3.50
FSW 429 M01-08GY	12-01-94	<.05	<.003	13.1	<.006	<.01	2.68
FSW 429 M01-09Y	12-01-94	<.05	<.003	11.9	<.006	.023	3.35
FSW 429 M01-10P	12-01-94	<.05	.010	12.2	<.006	.140	3.40
FSW 429 M01-11GN	12-01-94	<.05	.006	12.5	<.006	<.01	3.38
FSW 429 M01-12R	12-01-94	<.05	.006	17.6	<.006	<.01	3.11
FSW 429 M01-13BU	12-01-94	<.05	.006	13.5	<.006	<.01	3.15
FSW 429 M01-14BK	12-01-94	<.05	.005	18.1	<.006	.013	2.92
FSW 429 M01-14BK-D	12-01-94	<.05	.005	10.9	<.006	<.01	2.84

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Manganese, dissolved (mg/L)	Phosphorus, dissolved (mg/L)	Potassium, dissolved (mg/L)	Silicon, dissolved (mg/L)	Sodium, dissolved (mg/L)	Zinc, dissolved (mg/L)
FSW 424 M01-01PT	12-01-94	2.36	1.37	6.1	7.0	40	<0.016
FSW 424 M01-02GNT	12-01-94	2.64	1.09	4.5	6.9	40	<.016
FSW 424 M01-03RT	12-01-94	2.33	1.33	5.4	6.8	45	<.016
FSW 424 M01-04BUT	12-01-94	2.24	1.60	8.7	6.7	52	.029
FSW 424 M01-05BKT	12-01-94	2.40	1.23	7.3	6.6	47	<.016
FSW 424 M01-06WT	12-01-94	2.78	.95	6.6	6.6	37	<.016
FSW 424 M01-07O	12-01-94	2.27	.85	4.2	6.4	32	<.016
FSW 424 M01-08GY	12-01-94	3.59	.57	2.02	6.5	28.3	<.016
FSW 424 M01-09Y	12-01-94	3.52	.42	1.84	6.3	22.0	<.016
FSW 424 M01-10P	12-01-94	3.34	.52	.86	6.1	21.3	<.016
FSW 424 M01-11GN	12-01-94	2.45	.52	1.12	5.6	18.6	<.016
FSW 424 M01-12R	12-01-94	1.85	.41	1.10	5.4	13.5	<.016
FSW 424 M01-13BU	12-01-94	2.06	.372	.97	6.0	15.1	<.016
FSW 424 M01-13BU-D	12-01-94	2.00	.340	1.05	5.7	13.5	<.016
FSW 424 M01-14BK	12-01-94	1.50	.291	1.73	7.2	10.4	<.016
FSW 424 M01-15W	12-01-94	.57	.137	2.47	8.2	7.5	<.016
FSW 424 M02-01PT 72-13	12-02-94	.035	<.1	.64	2.89	11.5	<.016
FSW 424 M02-02GNT 72-13	12-02-94	.045	<.1	.56	2.90	8.7	<.016
FSW 424 M02-03RT 72-13	12-02-94	<.01	<.1	<.4	2.83	6.6	<.016
FSW 424 M02-04BUT 72-13	12-02-94	<.01	<.1	.46	2.81	5.5	.022
FSW 424 M02-05BKT 72-13	12-02-94	<.01	<.1	.60	3.14	5.1	<.016
FSW 424 M02-06WT 72-13	12-02-94	<.01	<.1	1.28	4.03	7.0	<.016
FSW 424 M02-07O 72-13	12-02-94	<.01	<.1	2.74	5.1	12.8	<.016
FSW 424 M02-08GY 72-13	12-02-94	<.01	.345	3.9	5.9	20.8	<.016
FSW 424 M02-09Y 72-13	12-02-94	1.11	.60	5.6	6.5	36	<.016
FSW 424 M02-10P 72-13	12-02-94	2.51	.72	6.8	6.6	44	<.016
FSW 424 M02-11GN 72-13	12-02-94	2.95	.86	8.1	6.7	44	<.016
FSW 424 M02-12R 72-13	12-02-94	3.20	1.07	9.4	6.3	43	<.016
FSW 424 M02-13BU 72-13	12-02-94	3.03	1.11	10.2	6.7	48	<.016
FSW 424 M02-14BK 72-13	12-02-94	2.17	1.10	8.7	6.5	49	<.016
FSW 424 M02-14BK-D 72-13	12-02-94	2.23	1.19	9.6	6.8	50	<.016
FSW 424 M02-15W 72-13	12-02-94	2.28	1.18	7.0	7.0	47	<.016
FSW 429 M01-01PT	12-01-94	.062	2.22	9.2	4.6	43	.106
FSW 429 M01-02GNT	12-01-94	<.01	<.1	<.4	3.31	6.8	<.016
FSW 429 M01-03RT	12-01-94	<.01	.170	1.33	3.78	9.1	<.016
FSW 429 M01-04BUT	12-01-94	<.01	.113	.77	4.10	16.6	<.016
FSW 429 M01-05BKT	12-01-94	<.01	<.1	.69	4.5	21.9	<.016
FSW 429 M01-06WT	12-01-94	<.01	.126	1.56	4.9	23.8	<.016
FSW 429 M01-07O	12-01-94	<.01	<.1	1.41	7.7	16.5	<.016
FSW 429 M01-08GY	12-01-94	<.01	.111	.99	7.0	14.3	<.016
FSW 429 M01-09Y	12-01-94	<.01	.108	.96	8.5	11.9	<.016
FSW 429 M01-10P	12-01-94	<.01	.116	1.34	8.3	12.3	<.016
FSW 429 M01-11GN	12-01-94	<.01	.105	1.19	8.0	11.5	<.016
FSW 429 M01-12R	12-01-94	<.01	.169	1.39	8.0	12.0	<.016
FSW 429 M01-13BU	12-01-94	<.01	.146	1.30	8.0	10.9	<.016
FSW 429 M01-14BK	12-01-94	<.01	.231	1.61	8.1	11.6	<.016
FSW 429 M01-14BK-D	12-01-94	<.01	.145	.91	8.2	10.1	<.016

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Aluminum, dissolved (mg/L)	Boron, dissolved (mg/L)	Calcium, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Magnesium, dissolved (mg/L)
FSW 432 M01-03RT	12-08-94	0.164	0.013	1.61	<0.006	<0.01	1.23
FSW 432 M01-03RT-D	12-08-94	.170	.012	1.71	<.006	<.01	1.28
FSW 432 M01-06WT	12-08-94	<.05	.041	2.42	<.006	<.01	1.67
FSW 432 M01-08GY	12-08-94	<.05	.027	4.01	<.006	<.01	2.34
FSW 432 M01-09Y	12-08-94	<.05	.013	3.80	<.006	<.01	2.66
FSW 432 M01-10P	12-08-94	<.05	.016	4.03	<.006	<.01	4.11
FSW 432 M01-13BU	12-08-94	<.05	.008	3.46	<.006	<.01	3.08
FSW 432 M01-15W	12-08-94	<.05	.011	4.05	<.006	<.01	2.00
FSW 442 M01-01PT	12-15-94	.602	.015	.66	<.006	<.01	.94
FSW 442 M01-02GNT	12-15-94	.067	.007	1.15	<.006	<.01	1.15
FSW 442 M01-02GNT-D	12-15-94	.073	.011	1.20	<.006	<.01	1.24
FSW 442 M01-03RT	12-15-94	<.05	.014	8.69	<.006	<.01	3.37
FSW 442 M01-04BUT	12-15-94	<.05	.006	1.79	<.006	<.01	2.77
FSW 442 M01-05BKT	12-15-94	<.05	.010	1.51	<.006	<.01	2.05
FSW 442 M01-06WT	12-15-94	<.05	.015	1.84	<.006	<.01	1.75
FSW 442 M01-07O	12-15-94	<.05	.015	1.37	<.006	<.01	1.30
FSW 442 M01-08GY	12-15-94	<.05	.026	1.96	<.006	<.01	1.67
FSW 442 M01-09Y	12-15-94	<.05	.072	1.38	<.006	<.01	1.01
FSW 442 M01-10P	12-15-94	<.05	.129	3.22	<.006	<.01	2.15
FSW 442 M01-11GN	12-15-94	<.05	.173	3.06	<.006	<.01	1.69
FSW 442 M01-12R	12-15-94	<.05	.146	3.80	<.006	<.01	2.27
FSW 442 M01-13BU	12-15-94	<.05	.157	4.2	<.006	<.01	2.54
FSW 442 M01-14BK	12-15-94	<.05	.181	5.8	<.006	<.01	2.88
FSW 442 M01-15W	12-15-94	<.05	.156	10.4	<.006	<.01	5.07
FSW 453 M02-02GNT	12-09-94	<.05	.024	1.74	<.006	<.01	1.68
FSW 453 M02-03RT	12-09-94	<.05	.214	12.1	<.006	<.01	3.55
FSW 453 M02-04BUT	12-09-94	<.05	.36	16.5	.007	.016	4.6
FSW 453 M02-05BKT	12-09-94	<.05	.42	19.4	<.006	.017	4.5
FSW 453 M02-06WT	12-09-94	<.05	.42	19.5	<.006	.019	5.5
FSW 453 M02-07O	12-09-94	<.05	.43	17.5	<.006	.017	7.7
FSW 453 M02-08GY	12-09-94	<.05	.44	18.8	<.006	.017	4.5
FSW 453 M02-09Y	12-09-94	<.05	.46	18.2	<.006	.013	4.4
FSW 453 M02-10P	12-09-94	<.05	.46	15.4	<.006	.014	7.3
FSW 453 M02-11GN	12-09-94	<.05	.44	4.02	<.006	.131	1.17
FSW 453 M02-12R	12-09-94	<.05	.39	10.6	<.006	.023	5.9
FSW 453 M02-13BU	12-09-94	<.05	.35	9.5	<.006	.018	6.0
FSW 453 M02-14BK	12-09-94	<.05	.38	1.83	<.006	3.31	.89
FSW 453 M02-15W	12-09-94	<.05	.285	9.2	<.006	23.9	4.3

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Manganese, dissolved (mg/L)	Phosphorus, dissolved (mg/L)	Potassium, dissolved (mg/L)	Silicon, dissolved (mg/L)	Sodium, dissolved (mg/L)	Zinc, dissolved (mg/L)
FSW 432 M01-03RT	12-08-94	0.043	<0.1	0.91	3.92	6.8	0.241
FSW 432 M01-03RT-D	12-08-94	.046	<.1	.76	4.10	7.4	.248
FSW 432 M01-06WT	12-08-94	<.01	<.1	1.09	4.6	8.5	<.016
FSW 432 M01-08GY	12-08-94	<.01	<.1	1.34	4.9	13.4	<.016
FSW 432 M01-09Y	12-08-94	<.01	<.1	1.25	5.0	10.5	<.016
FSW 432 M01-10P	12-08-94	<.01	<.1	1.24	4.8	14.5	<.016
FSW 432 M01-13BU	12-08-94	<.01	<.1	.99	5.2	6.8	<.016
FSW 432 M01-15W	12-08-94	<.01	<.1	1.39	5.8	5.4	<.016
FSW 442 M01-01PT	12-15-94	.047	<.1	.56	2.77	8.8	<.016
FSW 442 M01-02GNT	12-15-94	.030	<.1	.45	2.75	6.0	<.016
FSW 442 M01-02GNT-D	12-15-94	.032	<.1	.90	2.89	6.6	<.016
FSW 442 M01-03RT	12-15-94	<.01	.105	1.30	3.52	14.9	.016
FSW 442 M01-04BUT	12-15-94	<.01	<.1	.61	3.81	11.1	<.016
FSW 442 M01-05BKT	12-15-94	<.01	<.1	.88	3.78	9.0	<.016
FSW 442 M01-06WT	12-15-94	<.01	<.1	.67	3.77	10.8	<.016
FSW 442 M01-07O	12-15-94	<.01	<.1	.72	3.88	11.7	<.016
FSW 442 M01-08GY	12-15-94	<.01	<.1	1.18	4.4	11.7	<.016
FSW 442 M01-09Y	12-15-94	<.01	<.1	1.48	3.23	11.7	<.016
FSW 442 M01-10P	12-15-94	<.01	<.1	1.05	3.09	14.1	<.016
FSW 442 M01-11GN	12-15-94	.014	<.1	.91	3.18	20.6	<.016
FSW 442 M01-12R	12-15-94	<.01	<.1	1.30	3.21	14.5	<.016
FSW 442 M01-13BU	12-15-94	<.01	<.1	1.00	3.42	16.1	<.016
FSW 442 M01-14BK	12-15-94	.028	<.1	1.19	4.6	19.7	<.016
FSW 442 M01-15W	12-15-94	.024	<.1	1.46	6.9	22.8	<.016
FSW 453 M02-02GNT	12-09-94	.020	<.1	1.42	3.76	9.3	<.016
FSW 453 M02-03RT	12-09-94	.197	1.93	6.9	5.5	35	.051
FSW 453 M02-04BUT	12-09-94	.469	2.22	9.5	6.6	56	<.016
FSW 453 M02-05BKT	12-09-94	.428	.58	10.5	6.8	60	<.016
FSW 453 M02-06WT	12-09-94	.480	.160	10.1	6.6	58	<.016
FSW 453 M02-07O	12-09-94	.441	.111	9.9	6.5	59	<.016
FSW 453 M02-08GY	12-09-94	.380	<.1	12.9	6.5	62	<.016
FSW 453 M02-09Y	12-09-94	.309	<.1	13.5	6.8	65	<.016
FSW 453 M02-10P	12-09-94	.387	<.1	13.3	6.6	64	<.016
FSW 453 M02-11GN	12-09-94	.241	<.1	18.2	6.1	69	.018
FSW 453 M02-12R	12-09-94	.269	<.1	24.1	6.0	62	<.016
FSW 453 M02-13BU	12-09-94	.191	<.1	23.8	6.0	58	<.016
FSW 453 M02-14BK	12-09-94	.079	.44	6.0	5.8	58	<.016
FSW 453 M02-15W	12-09-94	.42	3.00	6.8	7.0	62	<.016

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Aluminum, dissolved (mg/L)	Boron, dissolved (mg/L)	Calcium, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Magnesium, dissolved (mg/L)
FSW 471 M01-01PT	12-14-94	0.088	0.011	5.5	0.024	<0.01	1.19
FSW 471 M01-02GNT	12-14-94	<.05	.009	1.16	<.006	<.01	2.59
FSW 471 M01-03RT	12-14-94	<.05	.008	1.88	<.006	<.01	2.70
FSW 471 M01-04BUT	12-14-94	<.05	.006	5.2	<.006	<.01	1.87
FSW 471 M01-04BUT-D	12-14-94	<.05	.009	1.97	<.006	<.01	1.74
FSW 471 M01-05BKT	12-14-94	<.05	.009	1.45	<.006	<.01	1.55
FSW 471 M01-06WT	12-14-94	<.05	.020	3.23	<.006	<.01	1.82
FSW 471 M01-07O	12-14-94	<.05	.055	1.58	<.006	<.01	1.19
FSW 471 M01-08GY	12-14-94	<.05	.137	3.20	<.006	<.01	2.13
FSW 471 M01-09Y	12-14-94	<.05	.230	5.7	<.006	<.01	2.64
FSW 471 M01-10P	12-14-94	<.05	.217	6.1	<.006	<.01	2.30
FSW 471 M01-11GN	12-14-94	<.05	.221	4.6	<.006	<.01	2.30
FSW 471 M01-12R	12-14-94	<.05	.211	7.5	<.006	<.01	2.94
FSW 471 M01-13BU	12-14-94	<.05	.212	8.2	<.006	<.01	3.28
FSW 471 M01-14BK	12-14-94	<.05	.230	8.7	<.006	<.01	3.88
FSW 471 M01-15W	12-14-94	<.05	.145	13.0	<.006	<.01	5.6
FSW 472 M01-01PT	12-14-94	.068	.012	1.00	<.006	<.01	1.11
FSW 472 M01-02GNT	12-14-94	<.05	.011	6.5	<.006	<.01	1.90
FSW 472 M01-03RT	12-14-94	<.05	.007	1.74	<.006	<.01	2.51
FSW 472 M01-04BUT	12-14-94	<.05	.014	6.5	<.006	<.01	2.00
FSW 472 M01-05BKT	12-14-94	<.05	.013	6.4	<.006	<.01	1.81
FSW 472 M01-05BKT-D	12-14-94	<.05	.013	15.3	<.006	<.01	1.84
FSW 472 M01-06WT	12-14-94	<.05	.025	2.93	<.006	<.01	1.85
FSW 472 M01-07O	12-14-94	<.05	.054	2.02	<.006	<.01	1.65
FSW 472 M01-08GY	12-14-94	<.05	.163	14.1	<.006	<.01	2.26
FSW 472 M01-09Y	12-14-94	<.05	.276	5.2	<.006	.01	2.78
FSW 472 M01-10P	12-14-94	<.05	.277	6.8	<.006	<.01	3.32
FSW 472 M01-11GN	12-14-94	<.05	.251	8.4	<.006	<.01	3.98
FSW 472 M01-12R	12-14-94	<.05	.320	10.2	<.006	<.01	3.19
FSW 472 M01-13BU	12-14-94	<.05	.322	7.3	<.006	<.01	3.67
FSW 472 M01-14BK	12-14-94	<.05	.311	10.3	<.006	<.01	3.71
FSW 472 M01-15W	12-14-94	<.05	.318	8.3	<.006	<.01	4.37
FSW 508 M01-01PT	12-13-94	.070	.017	2.70	.036	<.01	1.63
FSW 508 M01-02GNT	12-13-94	<.05	.025	2.10	<.006	<.01	3.26
FSW 508 M01-03RT	12-13-94	<.05	.015	1.88	<.006	<.01	2.79
FSW 508 M01-04BUT	12-13-94	<.05	.024	2.33	<.006	<.01	2.77
FSW 508 M01-05BKT	12-13-94	<.05	.038	2.79	<.006	<.01	3.00
FSW 508 M01-06WT	12-13-94	<.05	.078	1.06	.008	<.01	.96
FSW 508 M01-06WT-D	12-13-94	<.05	.078	1.14	<.006	<.01	.94
FSW 508 M01-07O	12-13-94	<.05	.138	1.24	<.006	<.01	.85
FSW 508 M01-08GY	12-13-94	<.05	.143	3.99	<.006	<.01	2.53
FSW 508 M01-09Y	12-13-94	<.05	.146	4.8	<.006	<.01	2.96
FSW 508 M01-10P	12-13-94	<.05	.123	5.5	<.006	<.01	3.14
FSW 508 M01-11GN	12-14-94	<.05	.144	6.5	<.006	<.01	2.94
FSW 508 M01-12R	12-14-94	<.05	.150	14.9	<.006	.079	3.21
FSW 508 M01-13BU	12-14-94	<.05	.204	9.7	<.006	<.01	3.85
FSW 508 M01-14BK	12-14-94	<.05	.215	9.0	<.006	<.01	3.77
FSW 508 M01-15W	12-14-94	<.05	.214	8.6	<.006	<.01	3.75

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Manganese, dissolved (mg/L)	Phosphorus, dissolved (mg/L)	Potassium, dissolved (mg/L)	Silicon, dissolved (mg/L)	Sodium, dissolved (mg/L)	Zinc, dissolved (mg/L)
FSW 471 M01-01PT	12-14-94	0.058	<0.1	0.70	2.96	7.1	0.020
FSW 471 M01-02GNT	12-14-94	<.01	<.1	1.24	3.32	14.9	<.016
FSW 471 M01-03RT	12-14-94	<.01	<.1	.89	3.76	10.9	<.016
FSW 471 M01-04BUT	12-14-94	<.01	<.1	.70	4.01	11.5	<.016
FSW 471 M01-04BUT-D	12-14-94	<.01	<.1	.74	3.84	10.3	<.016
FSW 471 M01-05BKT	12-14-94	<.01	<.1	.60	3.96	13.0	<.016
FSW 471 M01-06WT	12-14-94	<.01	<.1	.73	4.5	13.1	.018
FSW 471 M01-07O	12-14-94	<.01	<.1	1.73	3.69	13.1	<.016
FSW 471 M01-08GY	12-14-94	<.01	<.1	.70	3.24	18.1	<.016
FSW 471 M01-09Y	12-14-94	.029	<.1	1.27	5.5	25.1	<.016
FSW 471 M01-10P	12-14-94	<.01	<.1	1.27	3.45	26.3	<.016
FSW 471 M01-11GN	12-14-94	.045	<.1	.57	3.48	27.5	.018
FSW 471 M01-12R	12-14-94	<.01	<.1	1.20	4.5	27.6	<.016
FSW 471 M01-13BU	12-14-94	<.01	<.1	1.19	5.1	31	<.016
FSW 471 M01-14BK	12-14-94	<.01	<.1	1.50	5.7	31	<.016
FSW 471 M01-15W	12-14-94	.018	<.1	1.56	7.3	25.8	<.016
FSW 472 M01-01PT	12-14-94	.118	<.1	.94	3.31	7.0	<.016
FSW 472 M01-02GNT	12-14-94	.019	<.1	1.42	3.40	12.9	<.016
FSW 472 M01-03RT	12-14-94	<.01	<.1	1.00	4.10	12.2	<.016
FSW 472 M01-04BUT	12-14-94	<.01	<.1	.81	4.20	10.4	<.016
FSW 472 M01-05BKT	12-14-94	<.01	<.1	1.35	4.5	14.3	<.016
FSW 472 M01-05BKT-D	12-14-94	<.01	.165	1.17	4.3	14.9	.026
FSW 472 M01-06WT	12-14-94	<.01	<.1	.94	4.7	12.7	<.016
FSW 472 M01-07O	12-14-94	<.01	<.1	1.71	4.15	14.2	<.016
FSW 472 M01-08GY	12-14-94	<.01	.136	1.22	3.60	19.9	<.016
FSW 472 M01-09Y	12-14-94	.017	<.1	1.12	5.6	27.7	<.016
FSW 472 M01-10P	12-14-94	.020	<.1	1.06	5.8	28.0	<.016
FSW 472 M01-11GN	12-14-94	.033	<.1	1.21	5.7	29.7	<.016
FSW 472 M01-12R	12-14-94	.016	<.1	1.44	3.83	32	<.016
FSW 472 M01-13BU	12-14-94	.013	<.1	1.18	4.18	31	<.016
FSW 472 M01-14BK	12-14-94	<.01	<.1	1.54	4.7	33	<.016
FSW 472 M01-15W	12-14-94	<.01	<.1	1.37	5.1	30	<.016
FSW 508 M01-01PT	12-13-94	.107	<.1	1.37	2.99	15.6	.017
FSW 508 M01-02GNT	12-13-94	.013	<.1	1.65	3.60	7.4	<.016
FSW 508 M01-03RT	12-13-94	<.01	<.1	.86	3.86	10.3	<.016
FSW 508 M01-04BUT	12-13-94	<.01	<.1	1.19	4.21	13.2	<.016
FSW 508 M01-05BKT	12-13-94	<.01	<.1	1.51	4.5	13.7	<.016
FSW 508 M01-06WT	12-13-94	<.01	<.1	2.24	3.06	12.4	<.016
FSW 508 M01-06WT-D	12-13-94	<.01	<.1	2.24	3.02	12.2	.019
FSW 508 M01-07O	12-13-94	<.01	<.1	2.29	2.28	16.7	<.016
FSW 508 M01-08GY	12-13-94	<.01	<.1	3.08	2.85	19.4	<.016
FSW 508 M01-09Y	12-13-94	<.01	<.1	2.91	3.13	19.8	<.016
FSW 508 M01-10P	12-13-94	<.01	<.1	1.68	4.03	16.3	<.016
FSW 508 M01-11GN	12-14-94	.018	<.1	1.28	5.1	15.3	<.016
FSW 508 M01-12R	12-14-94	.031	.140	1.51	5.8	18.7	<.016
FSW 508 M01-13BU	12-14-94	.043	<.1	1.59	7.2	18.9	<.016
FSW 508 M01-14BK	12-14-94	.015	<.1	1.38	7.0	18.5	<.016
FSW 508 M01-15W	12-14-94	<.01	<.1	1.30	6.8	19.3	<.016

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Aluminum, dissolved (mg/L)	Boron, dissolved (mg/L)	Calcium, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Magnesium, dissolved (mg/L)
FSW 510 M01-03RT	12-02-94	<0.05	0.028	2.27	<0.006	<0.01	1.38
FSW 510 M01-04BUT	12-02-94	<.05	.095	8.6	<.006	<.01	3.00
FSW 510 M01-07O	12-02-94	<.05	.309	20.2	<.006	.014	7.8
FSW 510 M01-08GY	12-02-94	<.05	.344	24.1	<.006	.016	8.0
FSW 510 M01-09Y	12-02-94	<.05	.37	22.9	<.006	.017	8.9
FSW 510 M01-10P	12-02-94	<.05	.38	30.6	<.006	.021	8.0
FSW 510 M01-12R	12-02-94	<.05	.342	18.7	<.006	.014	7.3
FSW 510 M01-13BU	12-02-94	<.05	.36	22.1	<.006	.015	7.4
FSW 510 M01-14BK	12-02-94	<.05	.36	22.0	<.006	.025	6.5
FSW 510 M01-15W	12-02-94	.055	.41	6.2	<.006	.287	1.62
FSW 512 M01-02GNT	12-07-94	<.05	.014	2.01	<.006	<.01	1.70
FSW 512 M01-03RT	12-07-94	<.05	.014	1.20	<.006	<.01	1.49
FSW 512 M01-04BUT	12-07-94	<.05	.014	1.51	<.006	<.01	1.53
FSW 512 M01-05BKT	12-07-94	<.05	.028	4.26	<.006	<.01	1.81
FSW 512 M01-06WT	12-07-94	<.05	.125	12.4	<.006	<.01	3.90
FSW 512 M01-07O	12-07-94	<.05	.202	15.8	<.006	<.01	4.57
FSW 512 M01-08GY	12-07-94	<.05	.214	12.6	<.006	<.01	3.22
FSW 512 M01-09Y	12-07-94	<.05	.211	9.3	<.006	<.01	2.29
FSW 512 M01-09Y-D	12-07-94	<.05	.219	9.5	<.006	<.01	2.35
FSW 512 M01-10P	12-07-94	<.05	.255	6.8	<.006	<.01	1.67
FSW 512 M01-11GN	12-07-94	<.05	.303	4.9	<.006	<.01	.83
FSW 512 M01-12R	12-07-94	<.05	.324	6.0	<.006	.012	1.01
FSW 512 M01-13BU	12-07-94	<.05	.37	8.9	<.006	.018	1.42
FSW 512 M01-14BK	12-07-94	<.05	.35	4.8	<.006	<.01	.82
FSW 512 M01-15W	12-07-94	<.05	.37	3.57	<.006	.024	.74
FSW 564 M01-01PT	12-07-94	<.05	.017	1.38	<.006	<.01	1.63
FSW 564 M01-02GNT	12-07-94	<.05	.010	2.69	<.006	<.01	1.99
FSW 564 M01-03RT	12-07-94	<.05	.019	4.8	<.006	<.01	1.94
FSW 564 M01-04BUT	12-07-94	<.05	.023	4.6	<.006	<.01	1.72
FSW 564 M01-05BKT	12-07-94	<.05	.022	6.2	<.006	<.01	2.82
FSW 564 M01-06WT	12-07-94	<.05	.025	6.4	<.006	<.01	3.93
FSW 564 M01-07O	12-07-94	<.05	.038	4.6	<.006	<.01	1.98
FSW 564 M01-08GY	12-07-94	<.05	.033	14.4	<.006	<.01	3.93
FSW 564 M01-08GY-D	12-07-94	<.05	.034	5.6	<.006	<.01	3.92
FSW 564 M01-09Y	12-07-94	<.05	.031	6.2	<.006	<.01	2.21
FSW 564 M01-10P	12-07-94	<.05	.014	4.5	<.006	<.01	2.33
FSW 564 M01-11GN	12-07-94	<.05	.012	2.93	<.006	<.01	1.85
FSW 564 M01-12R	12-07-94	<.05	.016	3.67	<.006	<.01	2.62
FSW 564 M01-13BU	12-07-94	<.05	.018	3.21	<.006	<.01	1.72
FSW 564 M01-14BK	12-07-94	<.05	.010	3.27	<.006	<.01	1.43
FSW 564 M01-15W	12-07-94	<.05	.008	2.76	<.006	<.01	1.22

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Manganese, dissolved (mg/L)	Phosphorus, dissolved (mg/L)	Potassium, dissolved (mg/L)	Silicon, dissolved (mg/L)	Sodium, dissolved (mg/L)	Zinc, dissolved (mg/L)
FSW 510 M01-03RT	12-02-94	0.019	<0.1	1.94	4.03	10.7	<0.016
FSW 510 M01-04BUT	12-02-94	.087	1.24	4.6	5.0	18.0	<.016
FSW 510 M01-07O	12-02-94	.46	.44	8.0	7.3	53	<.016
FSW 510 M01-08GY	12-02-94	.48	.375	8.8	7.2	55	<.016
FSW 510 M01-09Y	12-02-94	.60	.336	11.2	7.0	56	<.016
FSW 510 M01-10P	12-02-94	.74	.49	11.6	6.7	62	.018
FSW 510 M01-12R	12-02-94	.382	<.1	10.7	6.9	58	<.016
FSW 510 M01-13BU	12-02-94	.365	.118	10.5	7.0	60	<.016
FSW 510 M01-14BK	12-02-94	.73	.104	14.8	6.6	62	<.016
FSW 510 M01-15W	12-02-94	.49	<.1	22.2	5.9	66	<.016
FSW 512 M01-02GNT	12-07-94	.014	<.1	1.02	3.46	10.8	<.016
FSW 512 M01-03RT	12-07-94	.014	<.1	1.30	3.41	7.8	<.016
FSW 512 M01-04BUT	12-07-94	.015	<.1	1.10	3.61	8.1	<.016
FSW 512 M01-05BKT	12-07-94	.032	.134	2.53	4.02	11.8	<.016
FSW 512 M01-06WT	12-07-94	.275	.227	6.0	5.1	25.0	<.016
FSW 512 M01-07O	12-07-94	.61	.318	8.0	6.1	39	<.016
FSW 512 M01-08GY	12-07-94	.50	.383	7.5	6.7	39	<.016
FSW 512 M01-09Y	12-07-94	.324	.374	6.2	6.7	31	<.016
FSW 512 M01-09Y-D	12-07-94	.341	.393	6.1	6.8	32	<.016
FSW 512 M01-10P	12-07-94	.256	.373	5.4	6.2	29.8	<.016
FSW 512 M01-11GN	12-07-94	.205	.44	4.3	5.9	26.6	<.016
FSW 512 M01-12R	12-07-94	.286	.279	4.3	5.4	31	<.016
FSW 512 M01-13BU	12-07-94	.52	.184	5.6	5.0	41	<.016
FSW 512 M01-14BK	12-07-94	.283	<.1	4.5	4.7	33	<.016
FSW 512 M01-15W	12-07-94	.269	<.1	4.0	4.8	35	<.016
FSW 564 M01-01PT	12-07-94	.84	<.1	<.4	2.46	18.7	<.016
FSW 564 M01-02GNT	12-07-94	.016	<.1	1.27	4.8	8.0	<.016
FSW 564 M01-03RT	12-07-94	<.01	.49	4.0	5.4	8.3	<.016
FSW 564 M01-04BUT	12-07-94	.93	.94	5.8	5.8	10.5	<.016
FSW 564 M01-05BKT	12-07-94	2.14	.89	7.8	6.7	10.4	<.016
FSW 564 M01-06WT	12-07-94	3.13	.61	9.3	7.1	10.2	<.016
FSW 564 M01-07O	12-07-94	2.63	.337	6.8	7.2	9.1	<.016
FSW 564 M01-08GY	12-07-94	4.27	.321	3.6	6.7	15.4	<.016
FSW 564 M01-08GY-D	12-07-94	4.46	.231	3.4	6.8	14.1	<.016
FSW 564 M01-09Y	12-07-94	3.00	.314	4.4	7.2	15.8	<.016
FSW 564 M01-10P	12-07-94	.79	<.1	2.76	6.0	10.1	.018
FSW 564 M01-11GN	12-07-94	.051	<.1	.65	5.8	5.0	<.016
FSW 564 M01-12R	12-07-94	.046	<.1	1.30	6.8	5.9	<.016
FSW 564 M01-13BU	12-07-94	.020	<.1	2.79	7.7	7.0	<.016
FSW 564 M01-14BK	12-07-94	<.01	<.1	.62	6.4	6.7	<.016
FSW 564 M01-15W	12-07-94	<.01	<.1	<.4	6.4	7.1	<.016

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Aluminum, dissolved (mg/L)	Boron, dissolved (mg/L)	Calcium, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Magnesium, dissolved (mg/L)
FSW 566 M01-01PT	12-08-94	<0.05	0.42	9.8	0.010	0.100	2.75
FSW 566 M01-02GNT	12-08-94	<.05	.37	9.9	<.006	.025	2.44
FSW 566 M01-04BUT	12-08-94	<.05	.258	7.5	<.006	.015	1.69
FSW 566 M01-05BKT	12-08-94	<.05	.197	7.3	<.006	.013	1.69
FSW 566 M01-06WT	12-08-94	<.05	.121	5.7	<.006	<.01	1.39
FSW 566 M01-07O	12-08-94	<.05	.105	2.78	<.006	<.01	1.30
FSW 566 M01-08GY	12-08-94	<.05	.070	1.83	<.006	<.01	.84
FSW 566 M01-09Y	12-08-94	<.05	.053	2.22	<.006	<.01	1.01
FSW 566 M01-10P	12-08-94	<.05	.034	5.1	<.006	<.01	2.48
FSW 566 M01-11GN	12-08-94	<.05	.029	4.6	<.006	.104	2.33
FSW 566 M01-12R	12-08-94	<.05	.019	2.97	<.006	<.01	1.64
FSW 566 M01-13BU	12-08-94	<.05	.014	3.58	<.006	<.01	2.20
FSW 566 M01-14BK	12-08-94	<.05	.016	4.2	<.006	<.01	1.97
FSW 566 M01-15W	12-08-94	<.05	.021	4.6	<.006	<.01	2.04
FSW 566 M02-01PT 65-12	12-08-94	<.05	.011	1.74	.007	<.01	.56
FSW 566 M02-02GNT 65-12	12-08-94	<.05	.014	1.96	<.006	<.01	.89
FSW 566 M02-03RT 65-12	12-09-94	<.05	.055	2.74	<.006	<.01	1.68
FSW 566 M02-04BUT 65-12	12-09-94	<.05	.135	5.3	<.006	<.01	2.52
FSW 566 M02-05BKT 65-12	12-09-94	<.05	.247	19.7	.019	.024	4.58
FSW 566 M02-06WT 65-12	12-09-94	<.05	.301	16.3	<.006	.015	5.8
FSW 566 M02-07O 65-12	12-09-94	<.05	.35	18.0	<.006	.016	6.5
FSW 566 M02-08GY 65-12	12-09-94	<.05	.38	18.4	<.006	.013	6.8
FSW 566 M02-09Y 65-12	12-09-94	<.05	.38	18.2	<.006	.014	7.0
FSW 566 M02-10P 65-12	12-09-94	<.05	.39	17.9	<.006	.013	7.1
FSW 566 M02-11GN 65-12	12-09-94	<.05	.39	20.0	<.006	.015	7.3
FSW 566 M02-11GN-D 65-12	12-09-94	<.05	.39	18.4	<.006	.013	7.2
FSW 566 M02-12R 65-12	12-09-94	<.05	.39	17.3	<.006	.011	6.8
FSW 566 M02-13BU 65-12	12-09-94	<.05	.43	11.1	<.006	.013	3.79
FSW 566 M02-14BK 65-12	12-09-94	<.05	.46	9.3	<.006	<.01	3.22
FSW 566 M02-15W 65-12	12-09-94	<.05	.47	11.2	<.006	<.01	3.60
FSW 567 M01-01PT	12-05-95	<.05	.011	1.32	<.006	<.01	1.49
FSW 567 M01-02GNT	12-05-95	<.05	.013	1.37	<.006	.014	1.56
FSW 567 M01-03RT	12-05-95	<.05	.027	2.85	<.006	.012	2.25
FSW 567 M01-04BUT	12-05-95	<.05	.102	3.64	<.006	.018	1.46
FSW 567 M01-05BKT	12-05-95	<.05	.137	4.9	<.006	<.01	1.86
FSW 567 M01-06WT	12-05-95	<.05	.34	20.1	<.006	.013	7.5
FSW 567 M01-07O	12-05-95	<.05	.37	17.6	<.006	.019	8.7
FSW 567 M01-08GY	12-06-94	<.05	.40	24.3	.012	.029	8.9
FSW 567 M01-09Y	12-06-94	<.05	.38	15.2	<.006	.022	10.2
FSW 567 M01-10P	12-06-94	<.05	.38	12.6	<.006	.015	10.1
FSW 567 M01-11GN	12-06-94	<.05	.38	8.2	<.006	<.01	4.8
FSW 567 M01-12R	12-06-94	<.05	.38	7.9	<.006	.032	4.3
FSW 567 M01-12R-D	12-06-94	<.05	.37	7.9	<.006	.031	4.3
FSW 567 M01-13BU	12-06-94	<.05	.262	11.0	<.006	.041	5.5
FSW 567 M01-14BK	12-06-94	<.05	.179	9.5	<.006	<.01	4.6
FSW 567 M01-15W	12-06-94	<.05	.195	10.7	<.006	.013	4.7

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Manganese, dissolved (mg/L)	Phosphorus, dissolved (mg/L)	Potassium, dissolved (mg/L)	Silicon, dissolved (mg/L)	Sodium, dissolved (mg/L)	Zinc, dissolved (mg/L)
FSW 566 M01-01PT	12-08-94	0.94	1.24	6.2	6.6	44	<0.016
FSW 566 M01-02GNT	12-08-94	1.09	1.15	6.7	6.7	37	<.016
FSW 566 M01-04BUT	12-08-94	.69	1.14	4.5	6.0	32	<.016
FSW 566 M01-05BKT	12-08-94	.70	1.17	5.0	6.0	28.1	<.016
FSW 566 M01-06WT	12-08-94	.55	1.13	4.2	5.9	20.5	<.016
FSW 566 M01-07O	12-08-94	.57	1.11	1.68	5.8	24.5	<.016
FSW 566 M01-08GY	12-08-94	.51	.67	1.46	5.2	19.7	<.016
FSW 566 M01-09Y	12-08-94	.72	.58	1.86	5.4	21.4	<.016
FSW 566 M01-10P	12-08-94	1.38	.273	2.28	5.5	15.4	<.016
FSW 566 M01-11GN	12-08-94	1.52	.209	1.99	6.0	10.4	<.016
FSW 566 M01-12R	12-08-94	1.24	.222	2.12	6.7	10.0	<.016
FSW 566 M01-13BU	12-08-94	.57	.161	1.29	8.4	6.3	<.016
FSW 566 M01-14BK	12-08-94	.165	<.1	4.6	10.1	5.9	<.016
FSW 566 M01-15W	12-08-94	.109	<.1	5.1	10.2	7.1	<.016
FSW 566 M02-01PT 65-12	12-08-94	<.01	<.1	1.25	2.84	4.2	<.016
FSW 566 M02-02GNT 65-12	12-08-94	<.01	<.1	.88	3.32	6.2	<.016
FSW 566 M02-03RT 65-12	12-09-94	.012	<.1	1.77	4.08	11.5	<.016
FSW 566 M02-04BUT 65-12	12-09-94	.031	.177	3.9	5.1	20.9	<.016
FSW 566 M02-05BKT 65-12	12-09-94	.157	.61	8.9	6.3	43	.047
FSW 566 M02-06WT 65-12	12-09-94	.78	.56	7.6	6.9	50	<.016
FSW 566 M02-07O 65-12	12-09-94	1.31	.67	9.5	7.2	53	<.016
FSW 566 M02-08GY 65-12	12-09-94	1.41	.70	12.4	7.0	54	<.016
FSW 566 M02-09Y 65-12	12-09-94	1.54	.74	13.0	6.7	57	<.016
FSW 566 M02-10P 65-12	12-09-94	1.76	.83	14.2	6.6	58	<.016
FSW 566 M02-11GN 65-12	12-09-94	1.92	.80	14.8	6.4	61	<.016
FSW 566 M02-11GN-D 65-12	12-09-94	1.94	.76	14.5	6.4	60	<.016
FSW 566 M02-12R 65-12	12-09-94	1.80	.74	16.9	5.9	59	<.016
FSW 566 M02-13BU 65-12	12-09-94	1.17	.95	12.6	6.0	52	.020
FSW 566 M02-14BK 65-12	12-09-94	.90	1.49	5.3	6.7	51	<.016
FSW 566 M02-15W 65-12	12-09-94	1.05	1.48	5.8	6.8	52	<.016
FSW 567 M01-01PT	12-05-95	.032	<.1	.67	3.48	7.9	.017
FSW 567 M01-02GNT	12-05-95	.019	<.1	1.24	3.68	6.7	<.016
FSW 567 M01-03RT	12-05-95	.023	.69	3.4	4.30	13.4	<.016
FSW 567 M01-04BUT	12-05-95	.031	2.63	4.4	5.8	17.6	<.016
FSW 567 M01-05BKT	12-05-95	.035	3.12	5.5	6.1	22.3	<.016
FSW 567 M01-06WT	12-05-95	1.04	2.47	10.8	6.4	52	<.016
FSW 567 M01-07O	12-05-95	1.14	2.44	8.5	6.7	51	<.016
FSW 567 M01-08GY	12-06-94	1.14	2.19	7.6	7.2	50	.024
FSW 567 M01-09Y	12-06-94	1.06	1.02	6.6	7.4	48	<.016
FSW 567 M01-10P	12-06-94	.77	.61	7.8	7.3	47	<.016
FSW 567 M01-11GN	12-06-94	.96	.79	9.5	6.3	50	<.016
FSW 567 M01-12R	12-06-94	.78	2.95	6.4	6.7	57	<.016
FSW 567 M01-12R-D	12-06-94	.78	2.90	6.6	6.6	57	<.016
FSW 567 M01-13BU	12-06-94	1.07	2.93	6.3	6.9	46	<.016
FSW 567 M01-14BK	12-06-94	.93	3.12	6.1	6.4	47	<.016
FSW 567 M01-15W	12-06-94	1.06	2.87	5.8	6.4	44	<.016

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Aluminum, dissolved (mg/L)	Boron, dissolved (mg/L)	Calcium, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Magnesium, dissolved (mg/L)
FSW 567 M02-01PT	12-05-94	<0.05	0.191	10.6	<0.006	0.024	5.8
FSW 567 M02-02GNT	12-05-94	<.05	.220	12.5	<.006	.056	6.0
FSW 567 M02-03RT	12-05-94	<.05	.186	13.5	<.006	.047	6.5
FSW 567 M02-04BUT	12-05-94	<.05	.248	18.3	<.006	.067	9.0
FSW 567 M02-05BKT	12-05-94	<.05	.174	17.2	<.006	.053	8.4
FSW 567 M02-06WT	12-05-94	<.05	.108	17.0	<.006	.043	8.0
FSW 567 M02-07O	12-05-94	<.05	.098	19.5	<.006	.033	8.9
FSW 567 M02-08GY	12-05-94	<.05	.169	18.9	<.006	.034	9.1
FSW 567 M02-09Y	12-06-94	<.05	.129	8.6	<.006	.021	3.75
FSW 567 M02-10P	12-06-94	<.05	.079	7.4	<.006	.042	3.55
FSW 567 M02-11GN	12-06-94	<.05	.066	5.1	<.006	.078	2.51
FSW 567 M02-12R	12-06-94	<.05	.049	4.5	<.006	.013	2.20
FSW 567 M02-13BU	12-06-94	<.05	.027	4.4	<.006	<.01	2.26
FSW 567 M02-13BU-D	12-06-94	<.05	.023	4.1	<.006	<.01	2.19
FSW 567 M02-14BK	12-06-94	<.05	.033	3.9	<.006	<.01	2.64
FSW 567 M02-15W	12-06-94	<.05	.029	4.4	<.006	<.01	3.22
SDW 317 M01-02GNT	12-06-94	.056	.38	27.4	.028	.025	5.8
SDW 317 M01-02GNT-D	12-06-94	<.05	.224	16.6	.024	.016	3.65
SDW 317 M01-03RT	12-06-94	.109	.39	23.8	.026	.025	6.0
SDW 317 M01-04BUT	12-06-94	.131	.41	25.4	.036	.023	5.6
SDW 317 M01-05BKT	12-06-94	.169	.44	26.6	.041	.028	5.7
SDW 317 M01-06WT	12-06-94	.197	.44	26.8	.040	.022	5.4
SDW 317 M01-07O	12-06-94	.210	.43	25.9	.040	.029	4.8
SDW 317 M01-08GY	12-06-94	.207	.42	24.4	.042	.021	4.8
SDW 317 M01-09Y	12-06-94	.305	.39	23.5	.060	.026	4.2
SDW 317 M01-10P	12-06-94	.264	.40	18.9	.060	.018	3.94
SDW 317 M01-11GN	12-06-94	.121	.41	20.2	.050	.016	3.94
SDW 317 M01-12R	12-06-94	.095	.42	24.0	.046	.017	5.1
SDW 317 M01-13BU	12-06-94	.074	.41	21.7	.037	.016	5.2
SDW 317 M01-14BK	12-06-94	.071	.45	22.0	.052	.015	5.3
SDW 317 M01-14BK-D	12-06-94	.060	.44	20.9	.049	.016	5.2
SDW 317 M01-15W	12-06-94	<.05	.44	25.0	.050	.012	5.8
SDW 317 M02-01PT	12-06-94	<.05	.41	20.6	.053	.016	3.91
SDW 317 M02-02GNT	12-06-94	<.05	.42	25.0	.049	.015	4.05
SDW 317 M02-03RT	12-06-94	<.05	.44	23.5	.052	.013	4.23
SDW 317 M02-04BUT	12-06-94	<.05	.42	23.9	.048	.012	5.4
SDW 317 M02-05BKT	12-06-94	<.05	.41	22.2	.047	.013	4.76
SDW 317 M02-06WT	12-06-94	<.05	.39	19.4	.037	.014	4.02
SDW 317 M02-07O	12-06-94	<.05	.40	18.5	.034	.012	3.80
SDW 317 M02-08GY	12-06-94	<.05	.39	18.6	.021	.012	3.84
SDW 317 M02-09Y	12-06-94	<.05	.39	18.8	.019	.011	3.98
SDW 317 M02-10P	12-06-94	<.05	.39	29.6	.016	.016	4.08
SDW 317 M02-11GN	12-06-94	<.05	.36	18.4	.012	.014	3.81
SDW 317 M02-12R	12-06-94	<.05	.36	19.0	.011	.013	3.94
SDW 317 M02-14BK	12-06-94	<.05	.36	24.6	.011	.018	4.10
SDW 317 M02-15W	12-06-94	<.05	.36	16.1	<.006	.013	3.78
SDW 317 M02-15W-D	12-06-94	<.05	.37	16.5	<.006	.013	3.84

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Manganese, dissolved (mg/L)	Phosphorus, dissolved (mg/L)	Potassium, dissolved (mg/L)	Silicon, dissolved (mg/L)	Sodium, dissolved (mg/L)	Zinc, dissolved (mg/L)
FSW 567 M02-01PT	12-05-94	1.02	2.79	5.4	6.4	47	<0.016
FSW 567 M02-02GNT	12-05-94	1.20	2.95	5.7	6.4	44	<.016
FSW 567 M02-03RT	12-05-94	1.32	2.80	5.9	6.6	43	<.016
FSW 567 M02-04BUT	12-05-94	2.08	2.12	7.7	6.7	25.5	<.016
FSW 567 M02-05BKT	12-05-94	1.96	1.98	7.9	6.5	23.9	<.016
FSW 567 M02-06WT	12-05-94	1.86	1.84	7.2	6.3	14.8	<.016
FSW 567 M02-07O	12-05-94	1.74	1.62	6.8	6.1	16.1	<.016
FSW 567 M02-08GY	12-05-94	2.07	1.19	5.9	5.8	20.0	<.016
FSW 567 M02-09Y	12-06-94	.98	1.10	4.6	5.5	18.1	<.016
FSW 567 M02-10P	12-06-94	1.44	.66	6.6	5.9	13.0	<.016
FSW 567 M02-11GN	12-06-94	1.64	.73	5.9	6.3	11.2	<.016
FSW 567 M02-12R	12-06-94	1.50	.87	5.1	6.5	9.9	<.016
FSW 567 M02-13BU	12-06-94	1.70	.92	3.9	6.3	9.0	<.016
FSW 567 M02-13BU-D	12-06-94	1.65	.86	4.1	6.2	8.5	<.016
FSW 567 M02-14BK	12-06-94	1.33	1.04	3.5	6.0	9.3	<.016
FSW 567 M02-15W	12-06-94	.73	.44	4.4	6.2	9.2	<.016
SDW 317 M01-02GNT	12-06-94	.042	2.28	9.5	4.26	54	<.016
SDW 317 M01-02GNT-D	12-06-94	.027	1.34	7.1	2.58	31	<.016
SDW 317 M01-03RT	12-06-94	.035	3.26	10.9	4.03	51	<.016
SDW 317 M01-04BUT	12-06-94	.032	4.11	10.5	5.4	54	.019
SDW 317 M01-05BKT	12-06-94	.035	4.21	11.7	6.3	56	.024
SDW 317 M01-06WT	12-06-94	.035	3.92	11.5	6.2	55	.020
SDW 317 M01-07O	12-06-94	.033	4.12	11.9	6.2	55	.033
SDW 317 M01-08GY	12-06-94	.030	4.45	11.8	6.2	54	.031
SDW 317 M01-09Y	12-06-94	.029	4.81	11.2	6.8	50	.049
SDW 317 M01-10P	12-06-94	.027	4.86	13.0	6.8	51	.044
SDW 317 M01-11GN	12-06-94	.022	4.48	10.5	6.9	54	.025
SDW 317 M01-12R	12-06-94	.024	4.51	8.4	7.2	60	.028
SDW 317 M01-13BU	12-06-94	.040	3.73	7.7	7.2	61	.046
SDW 317 M01-14BK	12-06-94	.051	5.27	14.1	7.5	63	.051
SDW 317 M01-14BK-D	12-06-94	.050	5.06	13.5	7.3	62	.050
SDW 317 M01-15W	12-06-94	.058	5.67	10.2	7.0	61	.045
SDW 317 M02-01PT	12-07-94	.045	5.00	19.5	6.6	56	.068
SDW 317 M02-02GNT	12-07-94	.049	4.63	20.8	6.4	57	.089
SDW 317 M02-03RT	12-07-94	.055	4.45	19.3	6.1	59	.084
SDW 317 M02-04BUT	12-07-94	.078	3.94	9.8	5.9	59	.134
SDW 317 M02-05BKT	12-07-94	.100	3.45	8.9	5.6	58	.207
SDW 317 M02-06WT	12-07-94	.128	2.27	7.7	5.2	56	.138
SDW 317 M02-07O	12-07-94	.161	2.35	9.0	5.0	54	.033
SDW 317 M02-08GY	12-07-94	.176	2.08	8.4	4.6	48	.020
SDW 317 M02-09Y	12-07-94	.159	2.16	8.6	4.4	52	<.016
SDW 317 M02-10P	12-07-94	.137	2.08	8.5	4.54	50	.024
SDW 317 M02-11GN	12-07-94	.110	1.84	7.8	5.0	47	<.016
SDW 317 M02-12R	12-07-94	.113	1.63	7.3	5.0	44	.032
SDW 317 M02-14BK	12-07-94	.150	.57	6.9	5.0	46	.021
SDW 317 M02-15W	12-07-94	.128	.45	6.3	4.7	48	.021
SDW 317 M02-15W-D	12-07-94	.130	.48	6.2	4.8	48	.029

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Aluminum, dissolved (mg/L)	Boron, dissolved (mg/L)	Calcium, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Magnesium, dissolved (mg/L)
SDW 318 M01-02GNT	12-06-94	0.136	0.289	18.4	0.037	0.031	3.68
SDW 318 M01-03RT	12-06-94	.167	.319	17.2	.039	.026	3.47
SDW 318 M01-03RT-D	12-06-94	.119	.344	20.8	.032	.015	3.75
SDW 318 M01-04BUT	12-06-94	.197	.41	21.1	.043	.019	4.05
SDW 318 M01-05BKT	12-06-94	.230	.40	21.1	.045	.023	3.91
SDW 318 M01-06WT	12-06-94	.221	.41	21.3	.049	.022	3.97
SDW 318 M01-07O	12-06-94	.154	.42	19.2	.046	.018	3.79
SDW 318 M01-08GY	12-06-94	.096	.38	20.4	.043	.019	4.00
SDW 318 M01-09Y	12-06-94	.067	.35	17.4	.037	.028	3.79
SDW 318 M01-10P	12-06-94	.093	.330	16.0	.036	.017	3.03
SDW 318 M01-10P-D	12-06-94	.090	.329	15.9	.036	.016	3.00
SDW 318 M01-11GN	12-06-94	.108	.328	19.0	.036	.015	3.35
SDW 318 M01-13BU	12-06-94	.141	.35	23.9	.034	.022	4.68
SDW 318 M01-14BK	12-06-94	.066	.38	14.5	.035	.013	3.17
SDW 318 M01-15W	12-06-94	.083	.40	18.3	.030	.012	4.02
MMR STP Effluent at S317	2-02-95	<.05	.42	22.7	.033	.173	4.27
MMR STP Effluent at S317-D	2-02-95	.071	.42	22.3	.043	.220	4.24

Table 29. Selected inorganics analyses for water samples from multilevel samplers and the sewage-treatment-plant effluent, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Manganese, dissolved (mg/L)	Phosphorus, dissolved (mg/L)	Potassium, dissolved (mg/L)	Silicon, dissolved (mg/L)	Sodium, dissolved (mg/L)	Zinc, dissolved (mg/L)
SDW 318 M01-02GNT	12-06-94	0.018	2.84	10.6	4.7	42	0.034
SDW 318 M01-03RT	12-06-94	.012	4.02	10.6	4.9	49	.029
SDW 318 M01-03RT	12-06-94	.036	3.69	14.2	6.0	50	.055
SDW 318 M01-04BUT	12-06-94	.012	4.04	11.7	5.6	54	.033
SDW 318 M01-05BKT	12-06-94	<.01	3.92	11.3	5.6	55	.031
SDW 318 M01-06WT	12-06-94	.013	4.05	10.6	5.8	55	.033
SDW 318 M01-07O	12-06-94	.022	4.13	10.5	5.8	53	.040
SDW 318 M01-08GY	12-06-94	.016	4.15	10.4	5.6	53	.020
SDW 318 M01-09Y	12-06-94	.020	4.04	10.2	3.78	55	.018
SDW 318 M01-10P	12-06-94	.025	4.16	15.0	4.24	51	.042
SDW 318 M01-10P-D	12-06-94	.024	4.16	15.0	4.22	51	.042
SDW 318 M01-11GN	12-06-94	.031	3.95	13.4	5.8	49	.061
SDW 318 M01-13BU	12-06-94	.044	3.69	14.6	6.4	51	.072
SDW 318 M01-14BK	12-06-94	.023	3.88	11.1	6.0	50	.042
SDW 318 M01-15W	12-06-94	.027	2.97	11.1	6.1	48	.048
MMR STP Effluent at S317	2-02-94	.030	3.42	12.8	5.6	55	.034
MMR STP Effluent at S317-D	2-02-94	.030	3.45	13.6	5.6	58	.034

Table 30. Dissolved-gases analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994

[Source of data: Richard L. Smith, U.S. Geological Survey, Water Resources Division, National Research Program. Multilevel-sampler port No.: Locations of multilevel samplers are shown in figure 4. No., number; D, duplicate sample. μM , micromolar; mM, millimolar; <, actual value is less than method detection limit; --, no data available]

Multilevel-sampler port No.	Date	Nitrous oxide (μM)	Methane (μM)	Carbon, inorganic, dissolved, plus carbon dioxide (mM)	Multilevel-sampler port No.	Date	Nitrous oxide (μM)	Methane (μM)	Carbon, inorganic, dissolved, plus carbon dioxide (mM)
FSW 168 M15-01PT	12-13-94	0.19	<0.2	0.84	FSW 300 M02-01PT	12-12-94	<0.01	<0.2	1.87
FSW 168 M15-02GNT	12-13-94	.21	<.2	1.21	FSW 300 M02-02GNT	12-12-94	<.01	<.2	2.07
FSW 168 M15-03RT	12-13-94	.11	<.2	1.17	FSW 300 M02-03RT	12-12-94	<.01	<.2	1.94
FSW 168 M15-04BUT	12-13-94	.09	<.2	1.22	FSW 300 M02-04BUT	12-12-94	<.01	<.2	1.59
FSW 168 M15-05BKT	12-13-94	.14	<.2	.98	FSW 300 M02-04BUT-D	12-12-94	<.01	.22	2.83
FSW 168 M15-06WT	12-13-94	.14	<.2	.67	FSW 300 M02-05BKT	12-12-94	<.01	.35	1.05
FSW 168 M15-07O	12-13-94	<.01	<.2	1.68	FSW 300 M02-06WT	12-12-94	<.01	.46	.89
FSW 168 M15-08GY	12-13-94	<.01	<.2	.78	FSW 300 M02-07O	12-12-94	<.01	.40	.97
FSW 168 M15-09Y	12-13-94	<.01	<.2	1.32	FSW 300 M02-08GY	12-12-94	<.01	.59	1.09
FSW 168 M15-10P	12-13-94	<.01	<.2	1.30	FSW 300 M02-09Y	12-12-94	<.01	.57	1.08
FSW 168 M15-11GN	12-13-94	<.01	<.2	1.25	FSW 300 M02-10P	12-12-94	<.01	.59	1.09
FSW 168 M15-12R	12-13-94	<.01	<.2	1.96	FSW 300 M02-11GN	12-12-94	<.01	.31	.86
FSW 168 M15-13BU	12-13-94	<.01	<.2	1.42	FSW 300 M02-12R	12-12-94	<.01	.24	.73
FSW 168 M15-14BK	12-13-94	<.01	<.2	1.09	FSW 300 M02-13BU	12-12-94	<.01	.44	.54
FSW 168 M15-15W	12-13-94	.06	<.2	1.61	FSW 300 M02-14BK	12-12-94	<.01	.42	.44
FSW 239 M01-01PT	11-30-94	.63	<.2	1.63	FSW 300 M02-15W	12-12-94	<.01	.37	.40
FSW 239 M01-02GNT	11-30-94	.70	<.2	1.49	FSW 300 M03-01PT	12-12-94	<.01	1.50	1.58
FSW 239 M01-02GNT-D	11-30-94	.72	<.2	1.49	FSW 300 M03-02GNT	12-12-94	.04	<.2	.93
FSW 239 M01-03RT	11-30-94	.08	<.2	1.51	FSW 300 M03-03RT	12-12-94	.84	<.2	.56
FSW 239 M01-04BUT	11-30-94	.11	<.2	.85	FSW 300 M03-04BUT	12-12-94	1.83	<.2	1.03
FSW 239 M01-05BKT	11-30-94	3.14	<.2	1.15	FSW 300 M03-05BKT	12-12-94	4.25	<.2	1.58
FSW 239 M01-06WT	11-30-94	6.25	<.2	1.53	FSW 300 M03-05BKT-D	12-12-94	3.81	<.2	1.32
FSW 239 M01-07O	11-30-94	4.67	<.2	2.28	FSW 300 M03-06WT	12-12-94	8.48	<.2	1.91
FSW 239 M01-08GY	11-30-94	<.01	<.2	2.58	FSW 300 M03-07O	12-12-94	17.04	<.2	2.52
FSW 239 M01-09Y	11-30-94	<.01	<.2	2.52	FSW 300 M03-08GY	12-12-94	22.34	<.2	2.50
FSW 239 M01-10P	11-30-94	<.01	<.2	2.30	FSW 300 M03-09Y	12-12-94	27.30	.27	2.76
FSW 239 M01-11GN	11-30-94	<.01	<.2	2.11	FSW 300 M03-10P	12-12-94	16.04	.25	2.56
FSW 239 M01-12R	11-30-94	<.01	<.2	1.87	FSW 300 M03-11GN	12-12-94	6.72	.23	2.15
FSW 239 M01-13BU	11-30-94	<.01	<.2	2.42	FSW 300 M03-12R	12-12-94	.41	.34	2.51
FSW 239 M01-14BK	11-30-94	5.92	.63	1.94	FSW 300 M03-13BU	12-12-94	.40	<.2	2.46
FSW 239 M01-15W	11-30-94	<.01	<.2	1.18	FSW 300 M03-14BK	12-12-94	.02	<.2	2.59
FSW 262 M01-02GNT	12-13-94	.17	<.2	1.20	FSW 300 M03-15W	12-12-94	<.01	<.2	2.21
FSW 262 M01-03RT	12-13-94	.15	<.2	.89					
FSW 262 M01-04BUT	12-13-94	.08	.38	.54					
FSW 262 M01-04BUT-D	12-13-94	.12	.44	.60					
FSW 262 M01-05BKT	12-13-94	.07	.55	.48					
FSW 262 M01-06WT	12-13-94	<.01	.27	.21					
FSW 262 M01-07O	12-13-94	<.01	<.2	.96					
FSW 262 M01-08GY	12-13-94	.09	<.2	1.52					
FSW 262 M01-09Y	12-13-94	.48	.28	1.19					
FSW 262 M01-10P	12-13-94	.60	.44	.77					
FSW 262 M01-11GN	12-13-94	<.01	<.2	.56					
FSW 262 M01-12R	12-13-94	.04	<.2	.88					
FSW 262 M01-13BU	12-13-94	.09	.20	1.19					

Table 30. Dissolved-gases analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Nitrous oxide (μM)	Methane (μM)	Carbon, inorganic, dissolved, plus carbon dioxide (mM)	Multilevel-sampler port No.	Date	Nitrous oxide (μM)	Methane (μM)	Carbon, inorganic, dissolved, plus carbon dioxide (mM)
FSW 343 M01-01PT	11-29-94	<0.01	<0.2	2.74	FSW 347 M01-01PT	11-30-94	<0.01	<0.2	.65
FSW 343 M01-02GNT	11-29-94	<.01	.38	3.03	FSW 347 M01-02GNT	11-30-94	.02	<.2	.57
FSW 343 M01-03RT	11-29-94	<.01	.43	2.13	FSW 347 M01-03RT	11-30-94	.24	<.2	1.00
FSW 343 M01-04BUT	11-29-94	<.01	.27	1.71	FSW 347 M01-04BUT	11-30-94	1.11	<.2	1.34
FSW 343 M01-05BKT	11-30-94	.10	.25	1.01	FSW 347 M01-05BKT	11-30-94	7.90	<.2	1.25
FSW 343 M01-06WT	11-30-94	<.01	<.2	.78	FSW 347 M01-06WT	11-30-94	8.67	<.2	1.54
FSW 343 M01-06WT-D	11-30-94	<.01	.21	.65	FSW 347 M01-07O	11-30-94	9.89	<.2	1.78
FSW 343 M01-07O	11-30-94	<.01	.27	.78	FSW 347 M01-08GY	12-01-94	9.33	<.2	1.78
FSW 343 M01-08GY	11-30-94	<.01	.33	.64	FSW 347 M01-08GY-D	12-01-94	9.96	<.2	1.92
FSW 343 M01-09Y	11-30-94	<.01	.36	.54	FSW 347 M01-09Y	12-01-94	7.26	<.2	1.83
FSW 343 M01-10P	11-30-94	<.01	.24	.51	FSW 347 M01-10P	12-01-94	5.78	<.2	1.68
FSW 343 M01-11GN	11-30-94	<.01	.48	1.08	FSW 347 M01-11GN	12-01-94	7.98	<.2	1.71
FSW 343 M01-12R	11-29-94	<.01	.34	.66	FSW 347 M01-12R	12-01-94	10.45	<.2	2.00
FSW 343 M01-13BU	11-29-94	<.01	.91	.70	FSW 347 M01-13BU	12-01-94	7.33	.25	1.87
FSW 343 M01-14BK	11-29-94	<.01	.56	.62	FSW 347 M01-14BK	12-01-94	3.95	<.2	1.68
FSW 343 M01-15W	11-29-94	<.01	.72	.77	FSW 347 M01-15W	12-01-94	2.19	<.2	1.62
FSW 343 M02-01PT	11-29-94	4.77	<.2	1.88	FSW 347 M06-01PT	11-30-94	7.02	<.2	1.92
FSW 343 M02-02GNT	11-29-94	9.63	<.2	1.95	FSW 347 M06-02GNT	11-30-94	.87	<.2	1.86
FSW 343 M02-03RT	11-29-94	13.33	.34	1.94	FSW 347 M06-03RT	11-30-94	<.01	<.2	1.90
FSW 343 M02-04BUT	11-29-94	11.99	.50	2.09	FSW 347 M06-04BUT	11-30-94	<.01	.24	2.05
FSW 343 M02-05BKT	11-29-94	3.79	.24	2.38	FSW 347 M06-05BKT	11-30-94	<.01	<.2	1.81
FSW 343 M02-06WT	11-29-94	.01	<.2	2.39	FSW 347 M06-06WT	11-30-94	<.01	.20	2.27
FSW 343 M02-07O	11-29-94	.31	.27	2.25	FSW 347 M06-07O	11-30-94	<.01	<.2	2.42
FSW 343 M02-07O-D	11-29-94	.37	<.2	2.60	FSW 347 M06-08GY	11-30-94	<.01	.27	1.38
FSW 343 M02-08GY	11-29-94	.01	<.2	2.62	FSW 347 M06-09Y	11-30-94	<.01	.27	1.11
FSW 343 M02-09Y	11-29-94	<.01	<.2	3.18	FSW 347 M06-10P	11-30-94	<.01	.20	.84
FSW 343 M02-10P	11-29-94	<.01	<.2	3.58	FSW 347 M06-10P-D	11-30-94	<.01	.23	.92
FSW 343 M02-11GN	11-29-94	<.01	<.2	3.63	FSW 347 M06-11GN	11-30-94	.08	<.2	.65
FSW 343 M02-12R	11-29-94	<.01	<.2	2.99	FSW 347 M06-12R	11-30-94	.06	<.2	.57
FSW 343 M02-13BU	11-29-94	<.01	<.2	2.95	FSW 347 M06-13BU	11-30-94	.07	<.2	.59
FSW 343 M02-14BK	11-29-94	<.01	<.2	2.60	FSW 347 M06-14BK	11-30-94	.04	<.2	.53
FSW 343 M02-15W	11-29-94	<.01	<.2	2.27	FSW 350 M01-01PT	12-14-94	.01	<.2	.77
FSW 343 M03-02GNT 1-19	12-12-94	.05	<.2	.90	FSW 350 M01-02GNT	12-14-94	.01	<.2	1.37
FSW 343 M03-03RT 1-19	12-12-94	.24	<.2	.97	FSW 350 M01-03RT	12-14-94	<.01	<.2	.26
FSW 343 M03-04BUT 1-19	12-12-94	1.01	<.2	1.18	FSW 350 M01-04BUT	12-14-94	.08	<.2	1.36
FSW 343 M03-05BKT 1-19	12-12-94	1.29	<.2	1.69	FSW 350 M01-05BKT	12-14-94	<.01	<.2	1.00
FSW 343 M03-06WT 1-19	12-12-94	1.37	<.2	1.79	FSW 350 M01-06WT	12-14-94	<.01	<.2	1.15
FSW 343 M03-07O 1-19	12-12-94	.44	<.2	1.96	FSW 350 M01-07O	12-14-94	<.01	<.2	.89
FSW 343 M03-08GY 1-19	12-12-94	<.01	<.2	1.92	FSW 350 M01-08GY	12-14-94	<.01	<.2	1.39
FSW 343 M03-09Y 1-19	12-12-94	<.01	<.2	1.69	FSW 350 M01-09Y	12-14-94	.02	<.2	1.80
FSW 343 M03-09Y-D 1-19	12-12-94	<.01	<.2	1.52	FSW 350 M01-10P	12-14-94	.12	<.2	3.21
FSW 343 M03-10P 1-19	12-12-94	.41	<.2	1.73	FSW 350 M01-11GN	12-14-94	<.01	<.2	2.06
FSW 343 M03-11GN 1-19	12-12-94	1.67	<.2	1.91	FSW 350 M01-11GN-D	12-14-94	<.01	<.2	2.11
FSW 343 M03-12R 1-19	12-12-94	4.07	<.2	1.96	FSW 350 M01-12R	12-14-94	<.01	<.2	1.36
FSW 343 M03-13BU 1-19	12-12-94	6.95	<.2	1.96	FSW 350 M01-13BU	12-14-94	<.01	<.2	1.92
FSW 343 M03-14BK 1-19	12-12-94	6.49	<.2	2.10	FSW 350 M01-14BK	12-14-94	<.01	<.2	1.99
FSW 343 M03-15W 1-19	12-12-94	5.84	<.2	2.10	FSW 350 M01-15W	12-14-94	.07	<.2	2.29

Table 30. Dissolved-gases analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Nitrous oxide (μM)	Methane (μM)	Carbon, inorganic, dissolved, plus carbon dioxide (mM)	Multilevel-sampler port No.	Date	Nitrous oxide (μM)	Methane (μM)	Carbon, inorganic, dissolved, plus carbon dioxide (mM)
FSW 373 M01-01PT	12-13-94	<0.01	<0.2	0.21	FSW 424 M02-15W 72-13	12-02-94	1.77	<.2	2.88
FSW 373 M01-02GNT	12-13-94	.06	<.2	1.03	FSW 429 M01-01PT	12-01-94	0.04	<0.2	0.83
FSW 373 M01-03RT	12-13-94	.12	.25	1.18	FSW 429 M01-02GNT	12-01-94	.02	<.2	.60
FSW 373 M01-04BUT	12-13-94	.13	<.2	1.03	FSW 429 M01-03RT	12-01-94	.06	<.2	.46
FSW 373 M01-05BKT	12-13-94	.14	<.2	1.82	FSW 429 M01-04BUT	12-01-94	.04	<.2	.64
FSW 373 M01-06WT	12-13-94	.14	<.2	1.50	FSW 429 M01-05BKT	12-01-94	.05	<.2	.95
FSW 373 M01-07O	12-13-94	.02	<.2	.79	FSW 429 M01-06WT	12-01-94	.11	<.2	1.39
FSW 373 M01-08GY	12-13-94	.31	<.2	1.08	FSW 429 M01-07O	12-01-94	1.98	<.2	2.02
FSW 373 M01-09Y	12-13-94	1.09	<.2	1.37	FSW 429 M01-08GY	12-01-94	1.42	<.2	1.37
FSW 373 M01-10P	12-13-94	.49	<.2	.91	FSW 429 M01-09Y	12-01-94	.64	<.2	1.15
FSW 373 M01-11GN	12-13-94	.06	<.2	1.18	FSW 429 M01-10P	12-01-94	.95	<.2	1.13
FSW 373 M01-12R	12-13-94	.07	.38	1.68	FSW 429 M01-11GN	12-01-94	.83	<.2	1.20
FSW 373 M01-12R-D	12-13-94	.10	<.2	1.86	FSW 429 M01-12R	12-01-94	.49	<.2	1.01
FSW 373 M01-13BU	12-13-94	.06	<.2	1.54	FSW 429 M01-13BU	12-01-94	.49	<.2	2.21
FSW 373 M01-14BK	12-13-94	<.01	<.2	1.60	FSW 429 M01-14BK	12-01-94	.34	<.2	1.34
FSW 373 M01-15W	12-13-94	<.01	.29	1.74	FSW 429 M01-14BK-D	12-01-94	.36	<.2	.93
FSW 424 M01-01PT	12-01-94	<.01	1.26	2.59	FSW 432 M01-03RT	12-08-94	.07	<.2	.73
FSW 424 M01-02GNT	12-01-94	<.01	1.45	2.51	FSW 432 M01-03RT-D	12-08-94	.09	<.2	.60
FSW 424 M01-03RT	12-01-94	<.01	1.32	2.55	FSW 432 M01-06WT	12-08-94	.05	<.2	.76
FSW 424 M01-04BUT	12-01-94	<.01	1.10	3.02	FSW 432 M01-08GY	12-08-94	.05	<.2	.81
FSW 424 M01-05BKT	12-01-94	<.01	1.63	3.87	FSW 432 M01-09Y	12-08-94	.06	<.2	.80
FSW 424 M01-06WT	12-01-94	.01	1.45	3.27	FSW 432 M01-10P	12-08-94	.13	<.2	.64
FSW 424 M01-07O	12-01-94	<.01	1.46	2.93	FSW 432 M01-13BU	12-08-94	.09	<.2	.82
FSW 424 M01-08GY	12-01-94	<.01	1.44	2.61	FSW 432 M01-15W	12-08-94	.03	<.2	.60
FSW 424 M01-09Y	12-01-94	.27	1.66	2.56	FSW 442 M01-01PT	12-15-94	.01	<.2	1.39
FSW 424 M01-10P	12-01-94	.50	1.89	2.48	FSW 442 M01-02GNT	12-15-94	.02	<.2	1.03
FSW 424 M01-11GN	12-01-94	.04	1.37	1.74	FSW 442 M01-02GNT-D	12-15-94	.05	<.2	.59
FSW 424 M01-12R	12-01-94	<.01	1.40	.69	FSW 442 M01-03RT	12-15-94	.12	<.2	1.39
FSW 424 M01-13BU	12-01-94	<.01	1.84	.84	FSW 442 M01-04BUT	12-15-94	.07	<.2	1.16
FSW 424 M01-13BU-D	12-01-94	<.01	1.60	.81	FSW 442 M01-05BKT	12-15-94	.04	<.2	1.40
FSW 424 M01-14BK	12-01-94	<.01	1.69	.74	FSW 442 M01-06WT	12-15-94	.06	<.2	1.11
FSW 424 M01-15W	12-01-94	<.01	1.53	.60	FSW 442 M01-07O	12-15-94	.02	.27	.72
FSW 424 M02-01PT 72-13	12-02-94	<.01	<.2	1.01	FSW 442 M01-08GY	12-15-94	.04	<.2	.36
FSW 424 M02-02GNT 72-13	12-02-94	.22	<.2	1.24	FSW 442 M01-09Y	12-15-94	.03	<.2	.56
FSW 424 M02-03RT 72-13	12-02-94	.29	<.2	.86	FSW 442 M01-10P	12-15-94	<.01	<.2	.89
FSW 424 M02-04BUT 72-13	12-02-94	.08	<.2	.63	FSW 442 M01-11GN	12-15-94	<.01	<.2	.99
FSW 424 M02-05BKT 72-13	12-02-94	.29	<.2	.48	FSW 442 M01-12R	12-15-94	<.01	<.2	.82
FSW 424 M02-06WT 72-13	12-02-94	.76	<.2	.46	FSW 442 M01-13BU	12-15-94	<.01	<.2	1.40
FSW 424 M02-07O 72-13	12-02-94	6.18	<.2	.89	FSW 442 M01-14BK	12-15-94	<.01	<.2	1.66
FSW 424 M02-08GY 72-13	12-02-94	14.81	<.2	1.38	FSW 442 M01-15W	12-15-94	.12	.38	2.96
FSW 424 M02-09Y 72-13	12-02-94	43.81	<.2	2.42					
FSW 424 M02-10P 72-13	12-02-94	50.81	<.2	4.43					
FSW 424 M02-11GN 72-13	12-02-94	62.15	<.2	2.82					
FSW 424 M02-12R 72-13	12-02-94	64.83	<.2	3.40					
FSW 424 M02-13BU 72-13	12-02-94	85.72	<.2	4.24					
FSW 424 M02-14BK 72-13	12-02-94	60.04	<.2	4.18					
FSW 424 M02-14BK-D 72-13	12-02-94	51.02	<.2	3.18					

Table 30. Dissolved-gases analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Nitrous oxide (μM)	Methane (μM)	Carbon, inorganic, dissolved, plus carbon dioxide (mM)	Multilevel-sampler port No.	Date	Nitrous oxide (μM)	Methane (μM)	Carbon, inorganic, dissolved, plus carbon dioxide (mM)
FSW 453 M02-02GNT	12-09-94	0.05	<0.2	0.29	FSW 508 M01-01PT	12-13-94	0.05	0.21	0.97
FSW 453 M02-03RT	12-09-94	.57	<.2	1.11	FSW 508 M01-02GNT	12-13-94	<.01	<.2	1.45
FSW 453 M02-03RT-D	12-09-94	.51	<.2	1.08	FSW 508 M01-03RT	12-13-94	.10	<.2	1.13
FSW 453 M02-04BUT	12-09-94	.15	<.2	1.86	FSW 508 M01-04BUT	12-13-94	.09	<.2	.98
FSW 453 M02-05BKT	12-09-94	.01	.24	2.45	FSW 508 M01-05BKT	12-13-94	.04	<.2	.76
FSW 453 M02-06WT	12-09-94	.24	<.2	2.58	FSW 508 M01-06WT	12-13-94	.02	<.2	.71
FSW 453 M02-07O	12-09-94	3.50	.39	2.93	FSW 508 M01-06WT-D	12-13-94	.01	<.2	.75
FSW 453 M02-08GY	12-09-94	1.41	.42	2.67	FSW 508 M01-07O	12-13-94	.08	<.2	1.25
FSW 453 M02-09Y	12-09-94	.96	.40	2.60	FSW 508 M01-08GY	12-13-94	.03	.20	1.50
FSW 453 M02-10P	12-09-94	12.70	.46	3.18	FSW 508 M01-09Y	12-13-94	.48	<.2	1.55
FSW 453 M02-11GN	12-09-94	.06	.87	3.23	FSW 508 M01-10P	12-14-94	.19	<.2	1.18
FSW 453 M02-12R	12-09-94	24.08	.54	3.44	FSW 508 M01-11GN	12-14-94	.14	<.2	1.02
FSW 453 M02-13BU	12-09-94	37.03	.77	3.55	FSW 508 M01-12R	12-14-94	.09	<.2	1.23
FSW 453 M02-14BK	12-09-94	.13	.93	3.31	FSW 508 M01-13BU	12-14-94	.04	.24	1.90
FSW 453 M02-15W	12-09-94	.06	.94	3.58	FSW 508 M01-14BK	12-14-94	<.01	.51	2.14
FSW 471 M01-01PT	12-14-94	<.01	--	.37	FSW 508 M01-15W	12-13-94	<.01	.48	2.00
FSW 471 M01-02GNT	12-14-94	.05	.59	.68	FSW 510 M01-03RT	12-02-94	.15	<.2	.45
FSW 471 M01-03RT	12-14-94	.11	.44	.84	FSW 510 M01-04BUT	12-02-94	.40	<.2	1.01
FSW 471 M01-04BUT	12-14-94	.02	--	.66	FSW 510 M01-07O	12-02-94	7.63	<.2	2.97
FSW 471 M01-04BUT-D	12-14-94	.04	.43	.64	FSW 510 M01-07O-D	12-02-94	8.08	<.2	3.05
FSW 471 M01-05BKT	12-14-94	<.01	.49	.91	FSW 510 M01-08GY	12-02-94	9.80	<.2	3.06
FSW 471 M01-06WT	12-14-94	.03	.44	.69	FSW 510 M01-09Y	12-02-94	17.21	<.2	3.13
FSW 471 M01-07O	12-14-94	<.01	.39	.54	FSW 510 M01-10P	12-02-94	43.48	<.2	3.21
FSW 471 M01-08GY	12-14-94	<.01	<.2	.98	FSW 510 M01-12R	12-02-94	15.19	<.2	3.74
FSW 471 M01-09Y	12-14-94	<.01	<.2	1.48	FSW 510 M01-13BU	12-02-94	15.96	<.2	3.56
FSW 471 M01-10P	12-14-94	.04	.52	1.80	FSW 510 M01-14BK	12-02-94	39.50	<.2	3.60
FSW 471 M01-11GN	12-14-94	<.01	.39	1.26	FSW 510 M01-15W	12-02-94	56.90	<.2	2.59
FSW 471 M01-12R	12-14-94	.05	.43	1.66	FSW 512 M01-02GNT	12-07-94	.10	.21	.30
FSW 471 M01-13BU	12-14-94	<.01	.46	1.98	FSW 512 M01-03RT	12-07-94	.05	.36	.33
FSW 471 M01-14BK	12-14-94	.01	.47	2.28	FSW 512 M01-04BUT	12-07-94	.12	<.2	.32
FSW 471 M01-15W	12-14-94	.50	<.2	2.56	FSW 512 M01-05BKT	12-07-94	.57	.26	.77
FSW 472 M01-01PT	12-14-94	.05	<.2	.47	FSW 512 M01-06WT	12-07-94	1.89	<.2	1.71
FSW 472 M01-02GNT	12-14-94	<.01	<.2	.51	FSW 512 M01-07O	12-07-94	1.21	.22	1.91
FSW 472 M01-03RT	12-14-94	.10	<.2	.83	FSW 512 M01-08GY	12-07-94	4.28	<.2	1.65
FSW 472 M01-04BUT	12-14-94	.09	.21	.60	FSW 512 M01-09Y	12-07-94	7.97	.29	1.17
FSW 472 M01-05BKT	12-14-94	.04	<.2	.46	FSW 512 M01-09Y-D	12-07-94	6.99	<.2	1.19
FSW 472 M01-05BKT-D	12-14-94	.02	<.2	.42	FSW 512 M01-10P	12-07-94	4.91	.34	1.28
FSW 472 M01-06WT	12-14-94	.01	<.2	.37	FSW 512 M01-11GN	12-07-94	1.54	.32	1.22
FSW 472 M01-07O	12-14-94	.08	<.2	.61	FSW 512 M01-12R	12-07-94	.64	.37	1.44
FSW 472 M01-08GY	12-14-94	.03	<.2	.92	FSW 512 M01-13BU	12-07-94	.92	.31	2.04
FSW 472 M01-09Y	12-14-94	.48	<.2	2.04	FSW 512 M01-14BK	12-07-94	10.21	<.2	1.53
FSW 472 M01-10P	12-14-94	.19	<.2	2.05	FSW 512 M01-15W	12-07-94	31.12	<.2	1.74
FSW 472 M01-11GN	12-14-94	.14	.20	2.63					
FSW 472 M01-12R	12-14-94	.09	<.2	1.84					
FSW 472 M01-13BU	12-14-94	.04	<.2	1.62					
FSW 472 M01-14BK	12-14-94	<.01	<.2	2.00					
FSW 472 M01-15W	12-14-94	<.01	<.2	2.09					

Table 30. Dissolved-gases analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Nitrous oxide (μM)	Methane (μM)	Carbon, inorganic, dissolved, plus carbon dioxide (mM)	Multilevel-sampler port No.	Date	Nitrous oxide (μM)	Methane (μM)	Carbon, inorganic, dissolved, plus carbon dioxide (mM)
FSW 564 M01-01PT	12-07-94	<0.01	<0.2	0.81	FSW 567 M01-01PT	12-05-95	0.08	<0.2	0.31
FSW 564 M01-02GNT	12-07-94	.07	<.2	1.33	FSW 567 M01-02GNT	12-05-95	.03	.21	<.2
FSW 564 M01-03RT	12-07-94	.04	.39	1.01	FSW 567 M01-03RT	12-05-95	.35	<.2	.78
FSW 564 M01-04BUT	12-07-94	.08	.34	.68	FSW 567 M01-04BUT	12-05-95	.60	.30	.76
FSW 564 M01-05BKT	12-07-94	<.01	.48	.71	FSW 567 M01-05BKT	12-05-95	.69	<.2	1.18
FSW 564 M01-06WT	12-07-94	<.01	.37	.83	FSW 567 M01-06WT	12-05-95	1.69	.30	1.98
FSW 564 M01-07O	12-07-94	<.01	<.2	1.92	FSW 567 M01-07O	12-05-95	3.79	.20	2.49
FSW 564 M01-08GY	12-07-94	<.01	<.2	2.50	FSW 567 M01-08GY	12-06-94	4.90	.26	4.64
FSW 564 M01-08GY-D	12-07-94	.01	.31	3.75	FSW 567 M01-09Y	12-06-94	1.90	.26	2.90
FSW 564 M01-09Y	12-07-94	<.01	<.2	1.90	FSW 567 M01-10P	12-06-94	.03	<.2	2.93
FSW 564 M01-10P	12-07-94	.09	.24	.00	FSW 567 M01-11GN	12-06-94	1.11	<.2	3.25
FSW 564 M01-11GN	12-07-94	.05	.38	.27	FSW 567 M01-12R	12-06-94	.07	<.2	3.87
FSW 564 M01-12R	12-07-94	.05	.39	.27	FSW 567 M01-12R-D	12-06-94	.05	<.2	3.95
FSW 564 M01-13BU	12-07-94	.07	.37	.49	FSW 567 M01-13BU	12-06-94	<.01	.44	3.67
FSW 564 M01-14BK	12-07-94	.09	.29	.79	FSW 567 M01-14BK	12-06-94	--	--	--
FSW 564 M01-15W	12-07-94	.13	.39	.71	FSW 567 M01-15W	12-05-95	<.01	<.2	2.65
FSW 566 M01-01PT	12-08-94	.02	.85	2.32	FSW 567 M02-01PT	12-05-95	<.01	<.2	2.71
FSW 566 M01-02GNT	12-08-94	.05	.51	2.24	FSW 567 M02-02GNT	12-05-95	<.01	.31	2.94
FSW 566 M01-04BUT	12-08-94	.01	.55	2.24	FSW 567 M02-03RT	12-05-95	<.01	.24	2.70
FSW 566 M01-05BKT	12-08-94	<.01	.45	1.98	FSW 567 M02-04BUT	12-05-95	<.01	<.2	3.15
FSW 566 M01-06WT	12-08-94	<.01	.35	1.57	FSW 567 M02-05BKT	12-05-95	<.01	<.2	3.10
FSW 566 M01-07O	12-08-94	<.01	.39	1.29	FSW 567 M02-06WT	12-06-94	<.01	.20	2.92
FSW 566 M01-08GY	12-08-94	<.01	.30	1.08	FSW 567 M02-07O	12-06-94	.04	<.2	3.45
FSW 566 M01-09Y	12-08-94	2.80	.42	1.02	FSW 567 M02-08GY	12-06-94	<.01	<.2	3.35
FSW 566 M01-10P	12-08-94	.52	.66	.69	FSW 567 M02-09Y	12-06-94	<.01	<.2	1.37
FSW 566 M01-10P-D	12-08-94	.51	.59	.59	FSW 567 M02-10P	12-06-94	<.01	<.2	1.43
FSW 566 M01-11GN	12-08-94	.02	4.20	.44	FSW 567 M02-11GN	12-06-94	<.01	<.2	.78
FSW 566 M01-12R	12-08-94	.01	.35	.33	FSW 567 M02-12R	12-06-94	.08	<.2	.63
FSW 566 M01-13BU	12-08-94	.01	.47	.78	FSW 567 M02-13BU	12-06-94	<.01	<.2	.44
FSW 566 M01-14BK	12-08-94	<.01	.58	.38	FSW 567 M02-13BU-D	12-05-95	<.01	<.2	.58
FSW 566 M01-15W	12-08-94	<.01	.49	.30	FSW 567 M02-14BK	12-05-95	<.01	.37	.93
FSW 566 M02-01PT 65-12	12-08-94	.14	<.2	1.31	FSW 567 M02-15W	12-05-95	<.01	.25	.83
FSW 566 M02-02GNT 65-12	12-08-94	.14	<.2	.60					
FSW 566 M02-03RT 65-12	12-09-94	.21	<.2	.79					
FSW 566 M02-04BUT 65-12	12-09-94	.93	<.2	.81					
FSW 566 M02-05BKT 65-12	12-09-94	13.75	<.2	1.90					
FSW 566 M02-06WT 65-12	12-09-94	5.09	<.2	1.39					
FSW 566 M02-07O 65-12	12-09-94	32.84	<.2	2.57					
FSW 566 M02-08GY 65-12	12-09-94	59.20	<.2	2.78					
FSW 566 M02-09Y 65-12	12-09-94	55.08	<.2	2.88					
FSW 566 M02-10P 65-12	12-09-94	43.67	<.2	2.76					
FSW 566 M02-11GN 65-12	12-09-94	54.94	<.2	2.39					
FSW 566 M02-11GN-D 65-12	12-09-94	63.46	<.2	2.46					
FSW 566 M02-12R 65-12	12-09-94	63.70	<.2	2.75					
FSW 566 M02-13BU 65-12	12-09-94	43.29	<.2	2.96					
FSW 566 M02-14BK 65-12	12-09-94	1.78	<.2	2.76					
FSW 566 M02-15W 65-12	12-09-94	.10	<.2	2.93					

Table 30. Dissolved-gases analyses for water samples from multilevel samplers, Ashumet Valley, Massachusetts, November through December 1994—*Continued*

Multilevel-sampler port No.	Date	Nitrous oxide (μM)	Methane (μM)	Carbon, inorganic, dissolved, plus carbon dioxide (mM)	Multilevel-sampler port No.	Date	Nitrous oxide (μM)	Methane (μM)	Carbon, inorganic, dissolved, plus carbon dioxide (mM)
SDW 317 M01-02GNT	12-06-94	0.38	<0.2	3.36	SDW 318 M01-02GNT	12-06-94	0.18	<0.2	1.31
SDW 317 M01-03RT	12-06-94	.38	<.2	3.45	SDW 318 M01-03RT	12-06-94	.18	<.2	1.47
SDW 317 M01-04BUT	12-06-94	.36	<.2	3.09	SDW 318 M01-04BUT	12-06-94	.26	<.2	1.71
SDW 317 M01-05BKT	12-06-94	.33	<.2	2.23	SDW 318 M01-05BKT	12-06-94	.40	<.2	1.89
SDW 317 M01-06WT	12-06-94	.28	<.2	2.63	SDW 318 M01-06WT	12-06-94	.30	<.2	1.89
SDW 317 M01-07O	12-06-94	.30	<.2	2.43	SDW 318 M01-07O	12-06-94	.42	<.2	2.46
SDW 317 M01-08GY	12-06-94	.17	<.2	2.06	SDW 318 M01-08GY	12-06-94	.41	<.2	4.02
SDW 317 M01-08GY-D	12-06-94	3.00	<.2	4.08	SDW 318 M01-09Y	12-06-94	<.01	<.2	4.43
SDW 317 M01-09Y	12-06-94	.30	<.2	2.18	SDW 318 M01-10P	12-06-94	.81	<.2	4.11
SDW 317 M01-10P	12-06-94	.03	<.2	2.54	SDW 318 M01-10P-D	12-06-94	.80	<.2	4.01
SDW 317 M01-11GN	12-06-94	.02	<.2	2.77	SDW 318 M01-11GN	12-06-94	1.15	<.2	2.96
SDW 317 M01-12R	12-06-94	.10	<.2	2.79	SDW 318 M01-12R	12-06-94	2.89	<.2	5.51
SDW 317 M01-13BU	12-06-94	.06	.89	2.96	SDW 318 M01-13BU	12-06-94	.43	<.2	1.85
SDW 317 M01-14BK	12-06-94	.06	<.2	3.21	SDW 318 M01-14BK	12-06-94	.08	<.2	2.39
SDW 317 M01-14BK-D	12-06-94	.01	<.2	3.10	SDW 318 M01-15W	12-06-94	.09	<.2	2.87
SDW 317 M01-15W	12-06-94	.04	<.2	3.12					
SDW 317 M01-15W-D	12-06-94	.08	.25	3.31					
SDW 317 M02-01PT	12-07-94	.09	<.2	3.12					
SDW 317 M02-02GNT	12-07-94	.01	<.2	2.80					
SDW 317 M02-03RT	12-07-94	.10	<.2	3.08					
SDW 317 M02-04BUT	12-07-94	.09	<.2	2.88					
SDW 317 M02-05BKT	12-07-94	.12	<.2	2.68					
SDW 317 M02-06WT	12-07-94	<.01	<.2	2.59					
SDW 317 M02-07O	12-07-94	.39	<.2	2.18					
SDW 317 M02-08GY	12-07-94	.97	<.2	2.39					
SDW 317 M02-09Y	12-07-94	.77	<.2	2.27					
SDW 317 M02-10P	12-07-94	4.18	<.2	2.96					
SDW 317 M02-11GN	12-07-94	1.75	<.2	2.22					
SDW 317 M02-12R	12-07-94	3.15	<.2	2.32					
SDW 317 M02-13BU	12-07-94	4.05	<.2	2.27					
SDW 317 M02-14BK	12-07-94	4.40	<.2	2.31					
SDW 317 M02-15W	12-07-94	4.45	<.2	2.16					
SDW 317 M02-15W-D	12-07-94	4.70	<.2	2.21					

Table 31. Organic carbon, inorganic carbon, methylene blue active substances, and ultraviolet/visible absorbance analyses for rinsewater blanks and equipment-rinsewater samples for multilevel samplers, Ashumet Valley, Massachusetts, December 1994

[Source of data: Larry B. Barber, II, U.S. Geological Survey, Water Resources Division, National Research Program. Equipment rinsewater collected before and after sampling. Locations of multilevel samplers are shown in figure 4. mg/L, milligram per liter; µg/L, microgram per liter]

Sample type and associated multilevel sampler	Date	Carbon, organic, total (mg/L)	Carbon, inorganic, total (mg/L)	Carbon, organic, dissolved (mg/L)	Carbon, inorganic, dissolved (mg/L)	Methylene blue active substances (µg/L)	Absorbance, unfiltered sample, 254-nm wavelength (x1,000)	Absorbance, filtered sample, 254-nm wavelength (x1,000)	Absorbance, unfiltered sample, 400-nm wavelength (x1,000)	Absorbance, filtered sample, 400-nm wavelength (x1,000)
Rinsewater blank	12-01-94	<0.1	<0.1	<0.1	<0.1	20	0	0	0	0
Rinsewater blank	12-14-94	.9	.1	.3	<.1	20	0	0	0	0
Equipment-rinsewater sample:										
FSW 424 M01	12-01-94	<.1	<.1	<.1	<.1	30	0	0	0	0
FSW 424 M01	12-01-94	<.1	<.1	<.1	<.1	40	0	0	0	0
FSW 429 M01	12-01-94	<.1	<.1	<.1	<.1	20	0	0	0	0
FSW 429 M01	12-01-94	<.1	<.1	<.1	<.1	20	0	0	0	0
FSW 350 M01	12-14-94	.2	<.1	.3	.1	30	1	0	0	0
FSW 350 M01	12-14-94	.4	.2	.5	.2	40	0	0	0	0
FSW 472 M01	12-14-94	<.1	<.1	<.1	<.1	30	4	2	0	0
FSW 472 M01	12-14-94	<.1	<.1	.2	<.1	20	4	3	0	0

Table 32. Nitrogen and sulfate analyses for rinsewater blanks and equipment-rinsewater samples for multilevel samplers, Ashumet Valley, Massachusetts, December 1994

[Source of data: Richard L. Smith, U.S. Geological Survey, Water Resources Division, National Research Program. Equipment rinsewater collected before and after sampling. Locations of multilevel samplers are shown in figure 4. mg/L, milligram per liter; <, actual value is less than method detection limit]

Sample type and associated multilevel sampler	Date	Nitrite, dissolved (mg/L as N)	Nitrate, dissolved (mg/L as N)	Ammonium, dissolved (mg/L as N)	Sulfate, dissolved (mg/L as S)
Rinsewater blank	12-01-94	<0.01	0.03	0.11	<0.10
Rinsewater blank	12-14-94	<.01	<.01	.08	<.10
Equipment-rinsewater sample:					
FSW 424 M01	12-01-94	<.01	<.01	.17	<.10
FSW 424 M01	12-01-94	<.01	<.01	.11	<.10
FSW 429 M01	12-01-94	<.01	<.01	.15	<.10
FSW 429 M01	12-01-94	<.01	<.01	.16	<.10
FSW 350 M01	12-14-94	<.01	<.01	.08	<.10
FSW 350 M01	12-14-94	<.01	<.01	.07	<.10
FSW 472 M01	12-14-94	<.01	<.01	.07	<.10
FSW 472 M01	12-14-94	<.01	<.01	.08	<.10

Table 33. Inorganics analyses for rinsewater blanks and equipment-rinsewater samples for multilevel samplers, Ashumet Valley, Massachusetts, December 1994

[Source of data: Douglas B. Kent, U.S. Geological Survey, Water Resources Division, National Research Program. Equipment rinsewater collected before and after sampling. Locations of multilevel samplers are shown in figure 4. mg/L, milligram per liter; <, actual value is less than method detection limit]

Sample type and associated multilevel sampler	Date	Aluminum, dissolved (mg/L)	Boron, dissolved (mg/L)	Calcium, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Magnesium, dissolved (mg/L)
Rinsewater blank	12-01-94	<0.05	<0.003	0.10	<0.006	<0.01	<0.04
Rinsewater blank	12-14-94	<.05	<.003	.08	<.006	<.01	<.04
Equipment-rinsewater sample:							
FSW 424 M01	12-01-94	<.05	<.003	7.0	<.006	<.01	.06
FSW 424 M01	12-01-94	<.05	<.003	.62	<.006	<.01	<.04
FSW 429 M01	12-01-94	<.05	<.003	.34	<.006	<.01	<.04
FSW 429 M01	12-01-94	<.05	<.003	.28	<.006	<.01	<.04
FSW 350 M01	12-14-94	<.05	<.003	.13	<.006	<.01	<.04
FSW 350 M01	12-14-94	<.05	<.003	.12	<.006	<.01	<.04
FSW 472 M01	12-14-94	<.05	<.003	.08	<.006	<.01	<.04
FSW 472 M01	12-14-94	<.05	<.003	.46	<.006	<.01	<.04

Sample type and associated multilevel sampler	Manganese, dissolved (mg/L)	Phosphorus, dissolved (mg/L)	Potassium, dissolved (mg/L)	Silicon, dissolved (mg/L)	Sodium, dissolved (mg/L)	Zinc, dissolved (mg/L)
Rinsewater blank	<0.01	<0.1	0.5	<0.1	0.2	<0.016
Rinsewater blank	<.01	<.1	<.4	<.1	<.1	<.016
Equipment-rinsewater sample:						
FSW 424 M01	<.01	<.1	.6	<.1	.4	.024
FSW 424 M01	<.01	<.1	<.4	<.1	.2	<.016
FSW 429 M01	<.01	<.1	<.4	<.1	.2	<.016
FSW 429 M01	<.01	<.1	<.4	<.1	.2	<.016
FSW 350 M01	<.01	<.1	<.4	<.1	.2	<.016
FSW 350 M01	<.01	<.1	<.4	<.1	.2	<.016
FSW 472 M01	<.01	<.1	<.4	<.1	.1	<.016
FSW 472 M01	<.01	<.1	<.4	<.1	.3	<.016

Table 34. Sample altitude and specific conductance, phosphate, iron, and boron analyses for water samples from screened-auger borings, Ashumet Valley, Massachusetts, February through March 1994

[Source of data: Kimberly W. Bussey, U.S. Geological Survey, Water Resources Division, Massachusetts/Rhode Island District. Screened-auger boring No.: Number in parentheses assigned by the Massachusetts Military Reservation. Locations of screened-auger borings are shown in figure 4. No., number. Altitudes are in feet above or (-) below sea level. Iron, dissolved: FeII, Iron in the plus two oxidation state. mg/L, milligram per liter; µg/L, microgram per liter; µS/cm, microsiemen per centimeter at 25 degrees Celsius; --, no data available; <, actual value is less than method detection limit]

Screened-auger boring No.	Date	Altitude, top sample interval (feet)	Altitude, bottom sample interval (feet)	Specific conductance (µS/cm)	Phosphate, dissolved (mg/L as P)	Iron, dissolved (mg/L as Fe II)	Boron, dissolved (µg/L)
FSW 279-A01 (AVP/MW586)	2-28-94	40.53	35.53	93	--	--	20
FSW 279-A01 (AVP/MW586)	2-28-94	35.53	30.53	149	--	--	20
FSW 279-A01 (AVP/MW586)	2-28-94	30.53	25.53	102	--	--	20
FSW 279-A01 (AVP/MW586)	2-28-94	25.53	20.53	132	--	--	30
FSW 279-A01 (AVP/MW586)	2-28-94	20.53	15.53	128	--	--	40
FSW 279-A01 (AVP/MW586)	2-28-94	15.53	10.53	113	--	--	30
FSW 279-A01 (AVP/MW586)	2-28-94	10.53	5.53	84	--	--	30
FSW 279-A01 (AVP/MW586)	2-28-94	5.53	.53	83	--	--	40
FSW 279-A01 (AVP/MW586)	2-28-94	.53	-4.47	79	--	--	30
FSW 279-A01 (AVP/MW586)	2-28-94	-4.47	-9.47	78	--	--	40
FSW 279-A01 (AVP/MW586)	2-28-94	-9.47	-14.47	81	--	--	40
FSW 279-A01 (AVP/MW586)	2-28-94	-14.47	-19.47	79	--	--	40
FSW 279-A01 (AVP/MW586)	2-28-94	-19.47	-24.47	80	--	--	40
FSW 279-A01 (AVP/MW586)	2-28-94	-24.47	-29.47	80	--	--	30
FSW 279-A01 (AVP/MW586)	2-28-94	-29.47	-34.47	78	--	--	40
FSW 279-A01 (AVP/MW586)	2-28-94	-34.47	-39.47	81	--	--	40
FSW 279-A01 (AVP/MW586)	2-28-94	-39.47	-44.47	81	--	--	40
FSW 279-A01 (AVP/MW586)	2-28-94	-44.47	-49.47	81	--	--	40
FSW 279-A01 (AVP/MW586)	2-28-94	-49.47	-54.47	82	--	--	50
FSW 279-A01 (AVP/MW586)	2-28-94	-54.47	-59.47	85	--	--	30
FSW 348-A01 (AVP/MW591)	3-26-94	44.34	39.34	74	<0.02	0.03	20
FSW 348-A01 (AVP/MW591)	3-26-94	39.34	34.34	82	<.02	.05	20
FSW 348-A01 (AVP/MW591)	3-26-94	34.34	29.34	83	<.02	.05	20
FSW 348-A01 (AVP/MW591)	3-26-94	29.34	24.34	90	<.02	.05	40
FSW 348-A01 (AVP/MW591)	3-26-94	24.34	19.34	93	<.02	.12	30
FSW 348-A01 (AVP/MW591)	3-26-94	19.34	14.34	91	<.02	.19	30
FSW 348-A01 (AVP/MW591)	3-26-94	14.34	9.34	85	<.02	.14	30
FSW 348-A01 (AVP/MW591)	3-26-94	9.34	4.34	86	<.02	.24	30
FSW 348-A01 (AVP/MW591)	3-26-94	4.34	-.66	82	<.02	.17	20
FSW 348-A01 (AVP/MW591)	3-26-94	-.66	-5.66	81	<.02	.19	20
FSW 348-A01 (AVP/MW591)	3-26-94	-5.66	-10.66	82	<.02	.25	30
FSW 348-A01 (AVP/MW591)	3-26-94	-10.66	-15.66	82	<.02	.16	20
FSW 348-A01 (AVP/MW591)	3-26-94	-15.66	-20.66	86	<.02	.25	30
FSW 348-A01 (AVP/MW591)	3-26-94	-20.66	-25.66	89	<.02	.20	40
FSW 348-A01 (AVP/MW591)	3-26-94	-25.66	-30.66	88	<.02	.10	40
FSW 348-A01 (AVP/MW591)	3-26-94	-30.66	-35.66	88	<.02	.07	30
FSW 348-A01 (AVP/MW591)	3-26-94	-35.66	-40.66	88	<.02	.20	30
FSW 348-A01 (AVP/MW591)	3-26-94	-40.66	-45.66	86	<.02	.43	40
FSW 348-A01 (AVP/MW591)	3-26-94	-45.66	-50.66	87	<.02	.13	30
FSW 348-A01 (AVP/MW591)	3-26-94	-50.66	-55.66	87	<.02	.09	40
FSW 348-A01 (AVP/MW591)	3-26-94	-55.66	-60.66	87	<.02	.09	40
FSW 348-A01 (AVP/MW591)	3-26-94	-60.66	-65.66	83	<.02	.09	50
FSW 348-A01 (AVP/MW591)	3-26-94	-65.66	-70.66	82	<.02	.10	50
FSW 348-A01 (AVP/MW591)	3-26-94	-70.66	-75.66	81	<.02	.20	50

Table 34. Sample altitude and specific conductance, phosphate, iron, and boron analyses for water samples from screened-auger borings, Ashumet Valley, Massachusetts, February through March 1994—*Continued*

Screened-auger boring No.	Date	Altitude, top sample interval (feet)	Altitude, bottom sample interval (feet)	Specific conductance ($\mu\text{S}/\text{cm}$)	Phosphate, dissolved (mg/L as P)	Iron, dissolved (mg/L as Fe II)	Boron, dissolved ($\mu\text{g}/\text{L}$)
FSW 582-A01 (AVP/MW582A)	2-23-94	42.73	37.73	87	--	--	20
FSW 582-A01 (AVP/MW582A)	2-23-94	37.73	32.73	171	--	--	120
FSW 582-A01 (AVP/MW582A)	2-23-94	32.73	27.73	243	--	--	230
FSW 582-A01 (AVP/MW582A)	2-23-94	27.73	22.73	271	--	--	270
FSW 582-A01 (AVP/MW582A)	2-23-94	22.73	17.73	291	--	--	270
FSW 582-A01 (AVP/MW582A)	2-23-94	17.73	12.73	291	--	--	290
FSW 582-A01 (AVP/MW582A)	2-23-94	12.73	7.73	289	--	--	290
FSW 582-A01 (AVP/MW582A)	2-23-94	7.73	2.73	285	--	--	270
FSW 582-A01 (AVP/MW582A)	2-23-94	2.73	-2.27	308	--	--	270
FSW 582-A01 (AVP/MW582A)	2-23-94	-2.27	-7.27	290	--	--	260
FSW 582-A01 (AVP/MW582A)	2-23-94	-7.27	-12.27	275	--	--	250
FSW 582-A01 (AVP/MW582A)	2-23-94	-12.27	-17.27	303	--	--	230
FSW 582-A01 (AVP/MW582A)	2-23-94	-17.27	-22.27	253	--	--	200
FSW 582-A01 (AVP/MW582A)	2-23-94	-22.27	-27.27	202	--	--	160
FSW 582-A01 (AVP/MW582A)	2-23-94	-27.27	-32.27	190	--	--	140
FSW 582-A01 (AVP/MW582A)	2-23-94	-32.27	-37.27	180	--	--	120
FSW 582-A01 (AVP/MW582A)	2-23-94	-37.27	-42.27	150	--	--	80
FSW 582-A01 (AVP/MW582A)	2-23-94	-42.27	-47.27	144	--	--	80
FSW 582-A01 (AVP/MW582A)	2-23-94	-47.27	-52.27	131	--	--	60
FSW 582-A01 (AVP/MW582A)	2-23-94	-52.27	-57.27	123	--	--	40
FSW 582-A01 (AVP/MW582A)	2-23-94	-57.27	-62.27	107	--	--	50
FSW 582-A01 (AVP/MW582A)	2-23-94	-62.27	-67.27	98	--	--	50
FSW 582-A01 (AVP/MW582A)	2-23-94	-67.27	-72.27	115	--	--	60
FSW 583-A01 (AVP/MW583A)	3-10-94	43.88	38.88	75	<0.02	0.17	20
FSW 583-A01 (AVP/MW583A)	3-10-94	38.88	33.88	82	.10	.67	20
FSW 583-A01 (AVP/MW583A)	3-10-94	33.88	28.88	130	--	--	--
FSW 583-A01 (AVP/MW583A)	3-10-94	28.88	23.88	93	--	--	--
FSW 583-A01 (AVP/MW583A)	3-10-94	23.88	18.88	93	<.02	.16	70
FSW 583-A01 (AVP/MW583A)	3-10-94	18.88	13.88	88	.04	.36	30
FSW 583-A01 (AVP/MW583A)	3-10-94	13.88	8.88	87	<.02	.23	30
FSW 583-A01 (AVP/MW583A)	3-10-94	8.88	3.88	117	<.02	.23	30
FSW 583-A01 (AVP/MW583A)	3-10-94	3.88	-1.12	94	<.02	.22	30
FSW 583-A01 (AVP/MW583A)	3-10-94	-1.12	-6.12	91	<.02	.48	30
FSW 583-A01 (AVP/MW583A)	3-10-94	-6.12	-11.12	87	<.02	.23	30
FSW 583-A01 (AVP/MW583A)	3-10-94	-11.12	-16.12	87	<.02	.45	30
FSW 583-A01 (AVP/MW583A)	3-10-94	-16.12	-21.12	89	<.02	.41	60
FSW 583-A01 (AVP/MW583A)	3-10-94	-21.12	-26.12	116	<.02	.26	120
FSW 583-A01 (AVP/MW583A)	3-10-94	-26.12	-31.12	236	<.02	.22	190
FSW 583-A01 (AVP/MW583A)	3-10-94	-31.12	-36.12	196	<.02	.19	160
FSW 583-A01 (AVP/MW583A)	3-10-94	-36.12	-41.12	174	<.02	.23	220
FSW 583-A01 (AVP/MW583A)	3-10-94	-41.12	-46.12	161	<.02	.17	210
FSW 583-A01 (AVP/MW583A)	3-10-94	-46.12	-51.12	164	<.02	.26	190
FSW 583-A01 (AVP/MW583A)	3-10-94	-51.12	-56.12	158	<.02	.36	160
FSW 583-A01 (AVP/MW583A)	3-10-94	-56.12	-61.12	121	<.02	.15	120
FSW 583-A01 (AVP/MW583A)	3-10-94	-61.12	-66.12	106	<.02	.15	80
FSW 583-A01 (AVP/MW583A)	3-10-94	-66.12	-71.12	144	<.02	.20	120
FSW 583-A01 (AVP/MW583A)	3-10-94	-71.12	-76.12	142	<.02	.09	120

Table 34. Sample altitude and specific conductance, phosphate, iron, and boron analyses for water samples from screened-auger borings, Ashumet Valley, Massachusetts, February through March 1994—*Continued*

Screened-auger boring No.	Date	Altitude, top sample interval (feet)	Altitude, bottom sample interval (feet)	Specific conductance ($\mu\text{S}/\text{cm}$)	Phosphate, dissolved (mg/L as P)	Iron, dissolved (mg/L as Fe II)	Boron, dissolved ($\mu\text{g}/\text{L}$)
FSW 584-A01 (AVP/MW584A)	3-16-94	43.13	38.13	71	--	--	20
FSW 584-A01 (AVP/MW584A)	3-16-94	38.13	33.13	71	--	--	20
FSW 584-A01 (AVP/MW584A)	3-16-94	33.13	28.13	78	--	--	30
FSW 584-A01 (AVP/MW584A)	3-16-94	28.13	23.13	78	--	--	20
FSW 584-A01 (AVP/MW584A)	3-16-94	23.13	18.13	78	--	--	30
FSW 584-A01 (AVP/MW584A)	3-16-94	18.13	13.13	81	--	--	30
FSW 584-A01 (AVP/MW584A)	3-16-94	13.13	8.13	81	--	--	20
FSW 584-A01 (AVP/MW584A)	3-16-94	8.13	3.13	83	--	--	20
FSW 584-A01 (AVP/MW584A)	3-16-94	3.13	-1.87	83	--	--	20
FSW 584-A01 (AVP/MW584A)	3-16-94	-1.87	-6.87	84	--	--	20
FSW 584-A01 (AVP/MW584A)	3-16-94	-6.87	-11.87	85	--	--	20
FSW 584-A01 (AVP/MW584A)	3-16-94	-11.87	-16.87	88	--	--	20
FSW 584-A01 (AVP/MW584A)	3-16-94	-16.87	-21.87	89	--	--	30
FSW 584-A01 (AVP/MW584A)	3-16-94	-21.87	-26.87	88	--	--	20
FSW 584-A01 (AVP/MW584A)	3-16-94	-26.87	-31.87	85	--	--	20
FSW 584-A01 (AVP/MW584A)	3-16-94	-31.87	-36.87	84	--	---	20
FSW 584-A01 (AVP/MW584A)	3-16-94	-36.87	-41.87	86	--	--	20
FSW 584-A01 (AVP/MW584A)	3-16-94	-41.87	-46.87	83	--	---	30
FSW 584-A01 (AVP/MW584A)	3-16-94	-46.87	-51.87	86	--	---	40
FSW 584-A01 (AVP/MW584A)	3-16-94	-51.87	-56.87	85	--	---	30
FSW 584-A01 (AVP/MW584A)	3-16-94	-56.87	-61.87	86	--	---	30
FSW 584-A01 (AVP/MW584A)	3-16-94	-61.87	-66.87	106	--	--	80
FSW 584-A01 (AVP/MW584A)	3-16-94	-66.87	-71.87	84	--	---	60
FSW 584-A01 (AVP/MW584A)	3-16-94	-71.87	-76.87	102	--	---	70
FSW 585-A01 (AVP/MW585A)	2-25-94	42.47	37.47	69	--	---	<10
FSW 585-A01 (AVP/MW585A)	2-25-94	37.47	32.47	83	--	---	<10
FSW 585-A01 (AVP/MW585A)	2-25-94	32.47	27.47	109	--	---	10
FSW 585-A01 (AVP/MW585A)	2-25-94	27.47	22.47	135	--	---	20
FSW 585-A01 (AVP/MW585A)	2-25-94	22.47	17.47	150	--	---	20
FSW 585-A01 (AVP/MW585A)	2-25-94	17.47	12.47	185	--	--	30
FSW 585-A01 (AVP/MW585A)	2-25-94	12.47	7.47	202	--	--	60
FSW 585-A01 (AVP/MW585A)	2-25-94	7.47	2.47	192	--	--	70
FSW 585-A01 (AVP/MW585A)	2-25-94	2.47	-2.53	166	--	--	150
FSW 585-A01 (AVP/MW585A)	2-25-94	-2.53	-7.53	235	--	--	250
FSW 585-A01 (AVP/MW585A)	2-25-94	-7.53	-12.53	264	--	--	240
FSW 585-A01 (AVP/MW585A)	2-25-94	-12.53	-17.53	252	--	--	240
FSW 585-A01 (AVP/MW585A)	2-25-94	-17.53	-22.53	246	--	--	320
FSW 585-A01 (AVP/MW585A)	2-25-94	-22.53	-27.53	276	--	--	370
FSW 585-A01 (AVP/MW585A)	2-25-94	-27.53	-32.53	261	--	--	220
FSW 585-A01 (AVP/MW585A)	2-25-94	-32.53	-37.53	205	--	--	20
FSW 585-A01 (AVP/MW585A)	2-25-94	-37.53	-42.53	178	--	--	<10

Table 34. Sample altitude and specific conductance, phosphate, iron, and boron analyses for water samples from screened-auger borings, Ashumet Valley, Massachusetts, February through March 1994—*Continued*

Screened-auger boring No.	Date	Altitude, top sample interval (feet)	Altitude, bottom sample interval (feet)	Specific conductance ($\mu\text{S}/\text{cm}$)	Phosphate, dissolved (mg/L as P)	Iron, dissolved (mg/L as Fe II)	Boron, dissolved ($\mu\text{g}/\text{L}$)
FSW 587-A01 (AVP/MW587A)	3-13-94	41.22	36.22	72	0.03	0.08	50
FSW 587-A01 (AVP/MW587A)	3-13-94	36.22	31.22	68	<.02	.06	20
FSW 587-A01 (AVP/MW587A)	3-13-94	31.22	26.22	68	<.02	.05	10
FSW 587-A01 (AVP/MW587A)	3-13-94	26.22	21.22	126	<.02	.09	70
FSW 587-A01 (AVP/MW587A)	3-13-94	21.22	16.22	333	<.02	.11	210
FSW 587-A01 (AVP/MW587A)	3-13-94	16.22	11.22	405	<.02	.10	260
FSW 587-A01 (AVP/MW587A)	3-13-94	11.22	6.22	377	<.02	.13	370
FSW 587-A01 (AVP/MW587A)	3-13-94	6.22	1.22	379	.19	.16	350
FSW 587-A01 (AVP/MW587A)	3-13-94	1.22	-3.78	361	.22	.13	250
FSW 587-A01 (AVP/MW587A)	3-13-94	-3.78	-8.78	363	.17	.15	330
FSW 587-A01 (AVP/MW587A)	3-13-94	-8.78	-13.78	366	.06	.22	340
FSW 587-A01 (AVP/MW587A)	3-13-94	-13.78	-18.78	357	<.02	.14	340
FSW 587-A01 (AVP/MW587A)	3-13-94	-18.78	-23.78	313	<.02	.23	320
FSW 587-A01 (AVP/MW587A)	3-13-94	-23.78	-28.78	325	<.02	.21	300
FSW 587-A01 (AVP/MW587A)	3-13-94	-28.78	-33.78	231	<.02	.09	220
FSW 587-A01 (AVP/MW587A)	3-13-94	-33.78	-38.78	154	<.02	.09	180
FSW 587-A01 (AVP/MW587A)	3-13-94	-38.78	-43.78	130	.02	.10	140
FSW 587-A01 (AVP/MW587A)	3-13-94	-43.78	-48.78	104	<.02	.06	70
FSW 587-A01 (AVP/MW587A)	3-13-94	-48.78	-53.78	126	<.02	.08	70
FSW 587-A01 (AVP/MW587A)	3-13-94	-53.78	-58.78	127	<.02	.08	60
FSW 587-A01 (AVP/MW587A)	3-13-94	-58.78	-63.78	124	.02	.09	60
FSW 587-A01 (AVP/MW587A)	3-13-94	-63.78	-68.78	107	.02	.14	40
FSW 588-A01 (AVP/MW588)	3-13-94	45.55	40.55	62	<.02	.20	20
FSW 588-A01 (AVP/MW588)	3-13-94	40.55	35.55	68	<.02	.05	<10
FSW 588-A01 (AVP/MW588)	3-13-94	35.55	30.55	72	<.02	.04	20
FSW 588-A01 (AVP/MW588)	3-13-94	30.55	25.55	219	<.02	.07	120
FSW 588-A01 (AVP/MW588)	3-13-94	25.55	20.55	418	<.02	.12	300
FSW 588-A01 (AVP/MW588)	3-13-94	20.55	15.55	411	.11	.14	330
FSW 588-A01 (AVP/MW588)	3-13-94	15.55	10.55	317	.51	.10	290
FSW 588-A01 (AVP/MW588)	3-13-94	10.55	5.55	253	.85	.10	270
FSW 588-A01 (AVP/MW588)	3-13-94	5.55	.55	249	.79	.20	250
FSW 588-A01 (AVP/MW588)	3-13-94	.55	-4.45	179	.40	.13	190
FSW 588-A01 (AVP/MW588)	3-13-94	-4.45	-9.45	182	.10	.11	110
FSW 588-A01 (AVP/MW588)	3-13-94	-9.45	-14.45	141	<.02	.09	90
FSW 588-A01 (AVP/MW588)	3-13-94	-14.45	-19.45	131	<.02	.06	70
FSW 588-A01 (AVP/MW588)	3-13-94	-19.45	-24.45	118	.02	.03	70
FSW 588-A01 (AVP/MW588)	3-13-94	-24.45	-29.45	98	<.02	.05	120
FSW 588-A01 (AVP/MW588)	3-13-94	-29.45	-34.45	65	.02	.02	30
FSW 588-A01 (AVP/MW588)	3-13-94	-34.45	-39.45	66	<.02	.02	110
FSW 588-A01 (AVP/MW588)	3-13-94	-39.45	-44.45	58	.02	.03	20
FSW 588-A01 (AVP/MW588)	3-13-94	-44.45	-49.45	57	.02	.01	10
FSW 588-A01 (AVP/MW588)	3-13-94	-49.45	-54.45	60	<.02	.07	60
FSW 588-A01 (AVP/MW588)	3-13-94	-54.45	-59.45	60	.02	.03	20

Table 34. Sample altitude and specific conductance, phosphate, iron, and boron analyses for water samples from screened-auger borings, Ashumet Valley, Massachusetts, February through March 1994—*Continued*

Screened-auger boring No.	Date	Altitude, top sample interval (feet)	Altitude, bottom sample interval (feet)	Specific conductance ($\mu\text{S}/\text{cm}$)	Phosphate, dissolved (mg/L as P)	Iron, dissolved (mg/L as Fe II)	Boron, dissolved ($\mu\text{g}/\text{L}$)
FSW 589-A01 (AVP/MW589)	3-15-94	41.07	36.07	62	<0.02	0.05	10
FSW 589-A01 (AVP/MW589)	3-15-94	36.07	31.07	51	<.02	.03	<10
FSW 589-A01 (AVP/MW589)	3-15-94	31.07	26.07	57	<.02	.03	20
FSW 589-A01 (AVP/MW589)	3-15-94	26.07	21.07	74	.07	.03	20
FSW 589-A01 (AVP/MW589)	3-15-94	21.07	16.07	83	.16	.03	20
FSW 589-A01 (AVP/MW589)	3-15-94	16.07	11.07	95	.11	.04	30
FSW 589-A01 (AVP/MW589)	3-15-94	11.07	6.07	86	<.02	.04	30
FSW 589-A01 (AVP/MW589)	3-15-94	6.07	1.07	98	<.02	.04	30
FSW 589-A01 (AVP/MW589)	3-15-94	1.07	-3.93	110	<.02	.03	20
FSW 589-A01 (AVP/MW589)	3-15-94	-3.93	-8.93	89	<.02	.03	30
FSW 589-A01 (AVP/MW589)	3-15-94	-8.93	-13.93	69	<.02	.02	20
FSW 589-A01 (AVP/MW589)	3-15-94	-13.93	-18.93	67	.03	.01	20
FSW 589-A01 (AVP/MW589)	3-15-94	-18.93	-23.93	72	.05	.02	20
FSW 589-A01 (AVP/MW589)	3-15-94	-23.93	-28.93	74	.02	.07	20
FSW 589-A01 (AVP/MW589)	3-15-94	-28.93	-33.93	66	.02	.03	20
FSW 589-A01 (AVP/MW589)	3-15-94	-33.93	-38.93	60	.02	.02	10
FSW 589-A01 (AVP/MW589)	3-15-94	-38.93	-43.93	69	<.02	.02	20
FSW 589-A01 (AVP/MW589)	3-15-94	-43.93	-48.93	74	<.02	.02	20
FSW 589-A01 (AVP/MW589)	3-15-94	-48.93	-53.93	77	<.02	.19	<10
FSW 592-A01 (AVP/MW592)	3-29-94	43.9	38.9	58	<.02	.04	<10
FSW 592-A01 (AVP/MW592)	3-29-94	38.9	33.9	63	<.02	.08	<10
FSW 592-A01 (AVP/MW592)	3-29-94	33.9	28.9	50	<.02	.05	<10
FSW 592-A01 (AVP/MW592)	3-29-94	28.9	23.9	50	<.02	.04	<10
FSW 592-A01 (AVP/MW592)	3-29-94	23.9	18.9	51	<.02	.05	<10
FSW 592-A01 (AVP/MW592)	3-29-94	18.9	13.9	70	<.02	.05	<10
FSW 592-A01 (AVP/MW592)	3-29-94	13.9	8.9	90	<.02	.06	20
FSW 592-A01 (AVP/MW592)	3-29-94	8.9	3.9	93	<.02	.08	30
FSW 592-A01 (AVP/MW592)	3-29-94	3.9	-1.1	95	<.02	.06	30
FSW 592-A01 (AVP/MW592)	3-29-94	-1.1	-6.1	118	<.02	.10	30
FSW 592-A01 (AVP/MW592)	3-29-94	-6.1	-11.1	116	<.02	.81	30
FSW 592-A01 (AVP/MW592)	3-29-94	-11.1	-16.1	117	<.02	.42	20
FSW 592-A01 (AVP/MW592)	3-29-94	-16.1	-21.1	110	<.02	.16	20
FSW 592-A01 (AVP/MW592)	3-29-94	-21.1	-26.1	105	<.02	.23	20
FSW 592-A01 (AVP/MW592)	3-29-94	-26.1	-31.1	90	<.02	.08	20
FSW 592-A01 (AVP/MW592)	3-29-94	-31.1	-36.1	80	<.02	.04	10
FSW 592-A01 (AVP/MW592)	3-29-94	-36.1	-41.1	77	<.02	.06	20
FSW 592-A01 (AVP/MW592)	3-29-94	-41.1	-46.1	69	<.02	.03	10
FSW 592-A01 (AVP/MW592)	3-29-94	-46.1	-51.1	71	<.02	.03	20

Table 34. Sample altitude and specific conductance, phosphate, iron, and boron analyses for water samples from screened-auger borings, Ashumet Valley, Massachusetts, February through March 1994—*Continued*

Screened-auger boring No.	Date	Altitude, top sample interval (feet)	Altitude, bottom sample interval (feet)	Specific conductance ($\mu\text{S}/\text{cm}$)	Phosphate, dissolved (mg/L as P)	Iron, dissolved (mg/L as Fe II)	Boron, dissolved ($\mu\text{g}/\text{L}$)
FSW 592-A01 (AVP/MW592)	3-29-94	-51.1	-56.1	72	<.02	.02	10
SDW 314-A01 (AVP/MW314)	3-02-94	44.94	39.94	312	1.45	0.35	220
SDW 314-A01 (AVP/MW314)	3-02-94	39.94	34.94	331	1.99	.32	250
SDW 314-A01 (AVP/MW314)	3-02-94	34.94	29.94	410	2.69	.44	280
SDW 314-A01 (AVP/MW314)	3-02-94	29.94	24.94	438	2.63	.42	340
SDW 314-A01 (AVP/MW314)	3-02-94	24.94	19.94	450	2.08	.28	390
SDW 314-A01 (AVP/MW314)	3-02-94	19.94	14.94	444	2.35	.32	390
SDW 314-A01 (AVP/MW314)	3-02-94	14.94	9.94	452	1.90	.62	390
SDW 314-A01 (AVP/MW314)	3-02-94	9.94	4.94	455	1.00	4.24	400
SDW 314-A01 (AVP/MW314)	3-02-94	4.94	-.06	384	1.12	3.87	390
SDW 314-A01 (AVP/MW314)	3-02-94	-.06	-5.06	435	.46	2.03	400
SDW 314-A01 (AVP/MW314)	3-02-94	-5.06	-10.06	218	.45	1.26	270
SDW 314-A01 (AVP/MW314)	3-02-94	-10.06	-15.06	123	.41	.70	170
SDW 314-A01 (AVP/MW314)	3-02-94	-15.06	-20.06	147	.18	.81	100
SDW 314-A01 (AVP/MW314)	3-02-94	-20.06	-25.06	172	.06	.74	80
SDW 314-A01 (AVP/MW314)	3-02-94	-25.06	-30.06	167	.05	2.03	90
SDW 314-A01 (AVP/MW314)	3-02-94	-30.06	-35.06	132	.03	.80	60
SDW 314-A01 (AVP/MW314)	3-02-94	-35.06	-40.06	113	.02	1.03	60
SDW 314-A01 (AVP/MW314)	3-02-94	-40.06	-45.06	88	.02	.68	40
SDW 314-A01 (AVP/MW314)	3-02-94	-45.06	-50.06	95	.03	.57	30
SDW 314-A01 (AVP/MW314)	3-02-94	-50.06	-55.06	82	.04	.28	20
SDW 314-A01 (AVP/MW314)	3-02-94	-55.06	-60.06	114	.03	.43	40
SDW 316-A01 (AVP/MW316A)	2-27-94	46.59	41.59	389	1.18	1.07	330
SDW 316-A01 (AVP/MW316A)	2-27-94	41.59	36.59	365	.84	.96	300
SDW 316-A01 (AVP/MW316A)	2-27-94	36.59	31.59	430	1.11	.29	320
SDW 316-A01 (AVP/MW316A)	2-27-94	31.59	26.59	378	.99	.32	300
SDW 316-A01 (AVP/MW316A)	2-27-94	26.59	21.59	380	.76	.31	350
SDW 316-A01 (AVP/MW316A)	2-27-94	21.59	16.59	373	.75	.57	380
SDW 316-A01 (AVP/MW316A)	2-27-94	16.59	11.59	355	.48	.20	400
SDW 316-A01 (AVP/MW316A)	2-27-94	11.59	6.59	359	.19	.18	340
SDW 316-A01 (AVP/MW316A)	2-27-94	6.59	1.59	249	3.07	14.68	240
SDW 316-A01 (AVP/MW316A)	2-27-94	1.59	-3.41	196	4.52	24.56	170
SDW 316-A01 (AVP/MW316A)	2-27-94	-3.41	-8.41	155	2.60	.37	120
SDW 316-A01 (AVP/MW316A)	2-27-94	-8.41	-13.41	112	.53	.14	50
SDW 316-A01 (AVP/MW316A)	2-27-94	-13.41	-18.41	128	.52	.32	70
SDW 316-A01 (AVP/MW316A)	2-27-94	-18.41	-23.41	174	.30	.47	120
SDW 316-A01 (AVP/MW316A)	2-27-94	-23.41	-28.41	190	.24	.38	150
SDW 316-A01 (AVP/MW316A)	2-27-94	-28.41	-33.41	188	.16	.30	140

Table 34. Sample altitude and specific conductance, phosphate, iron, and boron analyses for water samples from screened-auger borings, Ashumet Valley, Massachusetts, February through March 1994—*Continued*

Screened-auger boring No.	Date	Altitude, top sample interval (feet)	Altitude, bottom sample interval (feet)	Specific conductance ($\mu\text{S}/\text{cm}$)	Phosphate, dissolved (mg/L as P)	Iron, dissolved (mg/L as Fe II)	Boron, dissolved ($\mu\text{g}/\text{L}$)
SDW 590-A01 (AVP/MW590)	3-25-94	46.88	41.88	400	2.63	0.19	290
SDW 590-A01 (AVP/MW590)	3-25-94	41.88	36.88	460	4.10	.22	360
SDW 590-A01 (AVP/MW590)	3-25-94	36.88	31.88	442	4.42	.21	380
SDW 590-A01 (AVP/MW590)	3-25-94	31.88	26.88	276	4.17	.16	280
SDW 590-A01 (AVP/MW590)	3-25-94	26.88	21.88	108	3.96	.13	110
SDW 590-A01 (AVP/MW590)	3-25-94	21.88	16.88	122	8.20	.01	110
SDW 590-A01 (AVP/MW590)	3-25-94	16.88	11.88	122	5.19	.13	110
SDW 590-A01 (AVP/MW590)	3-25-94	11.88	6.88	117	2.81	.10	70
SDW 590-A01 (AVP/MW590)	3-25-94	6.88	1.88	104	1.33	.07	50
SDW 590-A01 (AVP/MW590)	3-25-94	1.88	-3.12	106	.34	.06	40
SDW 590-A01 (AVP/MW590)	3-25-94	-3.12	-8.12	121	.18	.06	40
SDW 590-A01 (AVP/MW590)	3-25-94	-8.12	-13.12	121	.15	.04	30
SDW 590-A01 (AVP/MW590)	3-25-94	-13.12	-18.12	95	.09	.07	20
SDW 590-A01 (AVP/MW590)	3-25-94	-18.12	-23.12	61	.06	.03	<10
SDW 590-A01 (AVP/MW590)	3-25-94	-23.12	-28.12	54	.04	.03	<10
SDW 590-A01 (AVP/MW590)	3-25-94	-28.12	-33.12	56	<.02	.02	<10
SDW 590-A01 (AVP/MW590)	3-25-94	-33.12	-38.12	58	<.02	.06	20
SDW 593-A01 (AVP/MW593)	3-27-94	50.26	45.26	63	<.02	.04	20
SDW 593-A01 (AVP/MW593)	3-27-94	45.26	40.26	51	<.02	.02	<10
SDW 593-A01 (AVP/MW593)	3-27-94	40.26	35.26	65	<.02	.03	10
SDW 593-A01 (AVP/MW593)	3-27-94	35.26	30.26	72	.14	.04	20
SDW 593-A01 (AVP/MW593)	3-27-94	30.26	25.26	73	.07	.04	20
SDW 593-A01 (AVP/MW593)	3-27-94	25.26	20.26	88	.04	.04	30
SDW 593-A01 (AVP/MW593)	3-27-94	20.26	15.26	103	.02	.05	40
SDW 593-A01 (AVP/MW593)	3-27-94	15.26	10.26	144	<.02	.05	30
SDW 593-A01 (AVP/MW593)	3-27-94	10.26	5.26	177	<.02	.05	20
SDW 593-A01 (AVP/MW593)	3-27-94	5.26	.26	187	<.02	.05	20
SDW 593-A01 (AVP/MW593)	3-27-94	.26	-4.74	144	<.02	.05	20
SDW 593-A01 (AVP/MW593)	3-27-94	-4.74	-9.74	112	<.02	.02	10
SDW 593-A01 (AVP/MW593)	3-27-94	-9.74	-14.74	75	<.02	.01	<10
SDW 593-A01 (AVP/MW593)	3-27-94	-14.74	-19.74	71	<.02	.01	10
SDW 593-A01 (AVP/MW593)	3-27-94	-19.74	-24.74	68	<.02	.02	<10
SDW 593-A01 (AVP/MW593)	3-27-94	-24.74	-29.74	70	.02	.02	<10
SDW 593-A01 (AVP/MW593)	3-27-94	-29.74	-34.74	73	<.02	.02	10
SDW 593-A01 (AVP/MW593)	3-27-94	-34.74	-39.74	73	.03	.02	<10
SDW 593-A01 (AVP/MW593)	3-27-94	-39.74	-44.74	71	<.02	.01	10
SDW 593-A01 (AVP/MW593)	3-27-94	-44.74	-49.74	68	<.02	.02	<10